

## 1: Guide to IT Careers | [www.enganchecubano.com](http://www.enganchecubano.com)

*Participate in the GSA webinar: Non-Academic Careers in Aging. On Friday, April 6, at Noon EDT, emerging scholars and experts will discuss how to approach searching for jobs in the field of aging. On Friday, April 6, at Noon EDT, emerging scholars and experts will discuss how to approach searching for jobs in the field of aging.*

**Become a Biogerontologist** What Is Biogerontology? Aging is a normal part of life on our planet. Everyone and everything ages. Growing old, however, has its own set of problems and complications. We, as humans, have nearly been obsessed with slowing and even reversing the aging process for centuries. Before we can do this, however, we must first attempt to answer one question— "Why do we age? Biogerontology is a sub-field of gerontology that attempts to answer the question of why and how we age, and how to possibly slow the aging process. Unlike gerontology, however, biogerontology focuses on the biological reasons behind aging. In general, there have been a few theories that have attempted to answer the question of why we age. Some biogerontologists, for instance, believe that the way we age is mostly determined by our genetic makeup. Others, however, believe that we age simply because our bodies are designed to break down over time. Most biogerontologists agree, though, that environmental and lifestyle factors also influence the aging process as well. Although humans have been in search of the Fountain of Youth since the beginning of the modern age, biogerontology is a relatively newer field. Because of our obsession with looking younger and living longer, however, it is a rapidly growing field, and new positions in this field open up every day. Why Do We Need Biogerontology? No one wants to watch their bodies deteriorate, and no one wants to be dependent on others to attend to their basic needs, such as eating and bathing. With this knowledge they can possibly slow the aging process and cure some of the more common diseases that plague elderly individuals. Research conducted by biogerontologists can possibly help us live longer and be more comfortable during our old age. What Does a Biogerontologist Do? Biogerontology careers are primarily research based careers. Professionals in this field will often conduct vast amounts of research on the process of aging and all of the ailments associated with it. Research in the field of biogerontology may be conducted on humans, but it is more often conducted on animals. These scientists, for instance, might study why some animals live much longer than others. They might also study animals that are resistant or immune to certain diseases. Besides directly studying humans and animals, biogerontologists will also usually study other factors that might influence aging. This includes our environments and lifestyles. Studies have long ago proven that such factors as breathing in large amounts of air pollution and smoking can cause diseases that are commonly seen in elderly individuals, such as cancer and emphysema. Other environmental and lifestyle factors that can contribute to disease and illness during old age may include obesity, substance abuse, chronic illnesses, and mental health issues. The research that is conducted by biogerontologists can be applied to real life situations. It might also be used to help minimize the physical signs of aging, such as wrinkles and hair loss. One day - with the help of biogerontologists - we might even live as long as some turtles. Where Do Biogerontologists Work? Because biogerontology is primarily a research centered field, the majority of those pursuing biogerontology careers will usually end up in research oriented positions. Private and government funded research facilities often hire biogerontologists, for instance, as do universities. Biogerontologists might also work in hospitals, hospice care centers, and homes for the elderly. Pharmaceutical companies also hire biogerontologists to develop drugs that can be used to treat diseases and slow the aging process. Some cosmetic companies might also work with biogerontologists to develop ever popular anti-aging cosmetics. Degrees in gerontology, biology, chemistry, or pre-med are usually acceptable for starting this career. Biogerontologists are also usually required to earn graduate degrees as well. Other professionals in this field get started after they earn medical degrees. The Bureau of Labor Statistics has very little information regarding the salaries of biogerontologists. The average salary of a biogerontologist, however, is generally influenced by where he works and his years of experience. Those that work in pharmaceutical companies, for instance, will often make more than those that work in privately funded research centers.

### 2: How to Decide on a Career Path: 15 Steps (with Pictures) - wikiHow

*Note: Citations are based on reference standards. However, formatting rules can vary widely between applications and fields of interest or study. The specific requirements or preferences of your reviewing publisher, classroom teacher, institution or organization should be applied.*

The fields listed here are expected to offer growth and job opportunities today and tomorrow. Finding your career path takes time.

**Computers and Technology** Thanks to advances in the Internet, microelectronics, and telecommunications, computers and technology continue to be a very hot career category. Computer systems design and information services are expanding rapidly. As cell phone companies improve their services, specialists in microelectronics will be in demand. Tech-savvy workers will be hired to build better laptops, digital cameras, MP3s, PDAs, and satellites for radio communications. The field of technology will be further driven by innovations such as advanced artificial intelligence and nanotechnology, in which scientists learn to build futuristic gadgets atom by atom.

**Health Care and Allied Health** As the baby-boom generation ages, the demand for health care services is expected to increase dramatically. In fact, 15 of the 30 fastest-growing careers in the country are health-related. Registered nurses currently lead the pack in terms of job opportunities, but openings for chiropractors, veterinarians, and speech-language pathologists are also expected to increase. To help control costs, many tasks and procedures formerly performed by doctors and other high-level health care professionals are now being done by assistants. As a result, job opportunities for dental assistants, physician assistants, and therapy aides are on the rise. Stricter regulations and expanding services in health care will require more medical records specialists and health information technicians. Many of these positions require only a two-year degree.

**Education and Social Services** Jobs in education and social services are expected to increase quickly, especially for educators. As the number of preschool-age children increases, so will the demand for public school teachers. Schools have been hiring more educational paraprofessionals in recent years, and these positions often do not require an advanced degree. Community and social services are expected to add jobs over the next few years as well because of the issues related to an aging population.

**Arts and Communications** Although many artists still struggle to make a living, opportunities are more plentiful than ever, especially for those who combine talent with technology. Jobs in the arts and communications include graphic design, copywriting, advertising, broadcasting, and more. Many new jobs will be related to professional, scientific, and technical services. Also, as cable, the Web, satellite radio, electronic games, and CD-ROM manufacturing has expanded, so has the need for actors, directors, and producers.

**Trades and Transportation** Jobs in the construction industry are expected to be abundant for the next several years. Jobs in automotive repair, heating, air conditioning, and refrigeration are also expected to increase. The manufacturing industry needs skilled tradespeople with technical know-how. Opportunities range from tool and die work to advanced robotics. Finally, demand for truck drivers is expected to increase as industries rely on transportation services to deliver goods. This trend is expected to continue over the next several years. Many of the positions will be related to scientific and technical consulting.

**Accounting** currently tops the list of careers with the most job offers for college grads, according to the National Association of Colleges and Employers. Insurance is also expected to be a hot field, and more administrative assistants will be needed as corporations expand. Families funding college educations and retirement savings are expected to rely more on personal financial advisors. And specialists in sales, marketing, and advertising will continue to be in demand to keep services and products moving around the world. Two growth areas to keep an eye on are e-commerce selling over the Web and forensic accounting using accounting, auditing, and investigative skills in legal matters.

**Architecture and Civil Engineering** While opportunities for architects are expected to grow more slowly than those in other categories in the next several years, specialists in computer-aided design CAD and drafting technology will have an edge when it comes to finding jobs. Homeland security demands, natural disasters, and other challenges fuel the need for more civil engineers, who design and supervise the construction of roads, levees, tunnels, water supply, and sewage systems.

**Science Career** opportunities in scientific fields are expected to expand in many areas, from chemistry to oceanography. Not all jobs in

scientific fields require an advanced degree. Technicians and assistants with two-year degrees are also needed to support research. Hospitality, Tourism, and the Service Industry The service industry needs fresh faces in hotel and restaurant management, retail and service work, travel planning, personal health and fitness consulting, and culinary arts. Good chefs are also in great demand. As consumers become more body conscious, fitness trainers and aerobics instructors will find steady employment. Finally, as business and personal travel increases, so will the need for hotel managers and event planning specialists. While more positions are expected for attorneys, paralegals and legal assistants are enjoying the biggest job boom. As for law enforcement, increased homeland security has driven up the need for FBI workers, customs agents, and border patrol officers. Openings are projected in local and special police departments as well.

### 3: Is a Gerontology Career in Your Future?

*Career paths in the field of aging by Peterson, David A., , Lexington Books edition, in English.*

Those who make the in the top 10 percent of salary typically have several years of experience under their belt, a higher level of educational attainment, or both. They have also taken the time to hone the skills necessary to gain promotions and advancements in their chosen career path. In addition to education, experience and skills, those in health and human services might see higher pay depending upon where they work. For example, marriage and family therapists often find the highest rates of pay in state government positions, which would include state-run social service organizations; other high-paying industries include home health care, local government, general medical and surgical hospitals and social advocacy organizations. Rehabilitation counselors have a much different salary outlook when it comes to where they work; the highest-paying industry is insurance carriers, followed by educational support services, general medical and surgical hospitals, elementary and secondary schools and nursing care facilities. In addition to the industry, another factor to consider is the geographic region. Some states have much higher demand than others for a particular health and human services profession, as well as a much higher salary. For community health workers, the top states for best pay included the District of Columbia, Nevada, Washington, New Jersey and Wisconsin. Though many factors enter into the salary expected for health and human services professions, a few key points might help guide those who seek a job with higher pay. Though health and human services are needed in all areas of the country, the demand tends to be higher among urban areas, where the population density is higher. Another point concerning demand for certain positions is the location of those who might need help the most; for example, the higher elderly population in warmer states, such as Florida and Nevada, might mean better opportunities for those in home health care. According to the Bureau of Labor Statistics, positions such as that of social worker, rehabilitation counselor, marriage and family therapist and health educator are among the many in health and human services that are expected to see better than average employment growth from to Those interested in a human services career might be a bit overwhelmed by all the information out there. How can they find the proper job in the health and human services field? Where should they begin the search? Since health and human services is made up of literally dozens of possible professions, it is very important for entry-level workers to have a basic idea of where they want to take their career. Is the healthcare field going to be the best place? What about social work, or counseling, or case management? Those who are drawn to one area over another can begin their job search long before they are ready to enter the field, by choosing the right educational path that will lead to the position they hope to achieve. Once a student graduates, the serious job search begins. Some individuals are fortunate in that they have good connections and a firm idea of where they want to work long before they graduate and they have planned that path accordingly. Professional organizations that cater to the health and human services industry can help job seekers, not only with job boards and other career opportunities, but by offering advocacy, promotion and enhancement of a resume. Gather references and complete a resume: Those who have any references in the health and human services arena can get in touch with them in order to use their information on resumes. These might be former colleagues, professors, peers and even clients who have been helped in some way. Now is also the time to tailor a resume to showcase any significant achievements in social work, community health or any related field. Thoroughly prepare for a job interview: Those seeking a job can prepare for an interview by doing serious research into the organization they intend to interview with. Learning about who runs the organization, what the structure is like, what has been expected of others in similar positions and what kind of benefits and salaries are offered is a great way to prepare. Walk into the interview with a short list of questions to ask in order to clarify job responsibilities. Network as much as possible: Now is the time to expand the network of contacts in the health and human services industry. Everyone qualifies, from the professor who taught the undergraduate program to the client who was very happy with the results of a case. Every contact is a potential lead for future work, so keep all those names handy in a spreadsheet, Rolodex or some other categorizing system. Attend networking events, invite contacts to casual lunch meetings and

otherwise continue to build the network. Take advantage of career services: Those with a college degree should take advantage of the career services office at their former school. Career service offices often have internal job boards, leads for references and networking, help with interviews and resumes and much more. Look to career services for help with any aspect of the job search; if they do not have the answers, they can likely find someone who does. Look into health and human services job boards: Begin the day-to-day job search by going to human services job boards and looking for positions that pique your interest. Some state and local job boards offer information on positions in a certain area and national job boards can often be searched by state or title. Sign up for a daily digest, if available, in order to keep up with the latest postings. Plan out a career trajectory: Those who intend to start and build a business are advised to begin with a business plan and mission statement; why not do the same with a new career? Planning out the initial steps of the job search, finding the positions that will serve as preparation for bigger things to come and planning out the future on paper can help give a firm idea of where the career path will go. Make it comprehensive and upbeat and then revisit it every three to six months to tweak it based on new goals and priorities. Sometimes working in health and human services can be tough “but the rewards are worth it, according to Jana Davis, who has spent many years as a social worker. You will have times you will emotionally hurt. You will have times when you will feel helpless. You will be tired. The relationship between therapist and client is like no other. It is sacred ground. To bear witness to their pain and their progress is nothing short of that. Join our email list to receive the quarterly newsletter.

### 4: Career and Occupations Guide: Complete List of Careers

*Career paths in the field of aging: professional gerontology. by Peterson, David A. (David Alan), Publication date*

The aging of baby boomers, along with the predicted decrease of the available labor pool, will place increased scrutiny and emphasis on issues relating to an aging workforce. Furthermore, future economic downturns will place strong pressure on older workers to remain in the workforce, and on retirees to seek employment again. *Aging and Work in the 21st Century* reviews, summarizes, and integrates existing literature from various disciplines with regard to aging and work. This definitive source comprehensively reviews: The intended audience is advanced undergraduate and graduate students, as well as researchers in the disciplines of industrial and organizational psychology; developmental psychology; gerontology; sociology; economics; and social work. Older worker advocate organizations, like AARP, will also take interest in this edited book. Springer Publishing Company Format Available: Praise for the First Edition: American Public Health Association In just the past few years, interest in public health careers has soared. And do you have to have to have a degree in public health to break into this field? It includes both familiar public health careers and emerging opportunities. New to the second edition are public health careers in the military, public health and aging, and careers in cutting-edge areas such as nanotechnology and public health genetics. Readers will learn about modern approaches to public health programs, including the evolving study of implementation science and the increased role of community-based participatory research. The second edition also presents expanded information on getting started in public health, including the increasingly popular field of global health. Included are descriptions of careers in disease prevention, environmental health, disaster preparedness, nutrition, education, public safety, and many more. Whether you are a student who wants to launch a career or a professional looking to change careers, this guide offers a straightforward introduction to the public health field. It details the training, salary ranges, and degree requirements for each job and alerts readers to alternative pathways beyond the traditional MPH. New to the Second Edition: Public health careers in the military Public health and aging Expanded information on global health careers and how to get started in global health Careers in cutting-edge domains of public health, such as nanotechnology and public health genetics The evolving roles of implementation science and community participatory research MD or MPH? The differences between healthcare and public health Key Features: The theme was Aging Our Health Care Destiny. This volume on social, psychological, economic, and ethical aspects and a companion volume Volume I on biomedical aspects include edited versions of the presentations by about 80 speakers. Their papers were directed at practitioners, researchers, and medical educators who will be active and productive in the year , and we focused on those who would influence the evolution of care of elderly persons during the next 17 years. We chose topics that would be of particular interest to teachers and current planners in the disciplines concerned with delivery of health and social services. We believe that having a core of more qualified and better trained practitioners will help the population of aged persons achieve a higher level of physical and mental health, life satisfaction and happiness, find better coping techniques and control of environmental stresses, and attain personal and social goals. Our Goals While preparing for the symposium we knew that the status of the art in obviously would be the base from which we would work, but we asked our speakers to give priority to future planning and directions. Aims to blend the science of exercise physiology with the ageing process. This book outlines the theories on ageing, the ageing, process, the structural and functional changes that characterise advancing age and the exercise programming concerns for the aged, as well as the benefits of exercise and physical activity. Find Your eBooks Here!

### 5: Biogerontology Careers | [www.enganchecubano.com](http://www.enganchecubano.com)

*The UGA Institute of Gerontology invites Master of Public Health (MPH) students to celebrate the last week of classes and come learn about careers in aging on Tues. Nov. 28 in Hudson Hall on the Health Sciences Campus (Parking will be free).*

According to the Bureau of Labor Statistics, the number of elderly people in the United States will be at its highest over the next decade, and will continue to grow. From entry level positions in nursing homes and clinics to positions in large hospitals, social welfare organizations, charity organizations and government bodies – hundreds of career opportunities are available in geriatrics and gerontology. While fields such as marketing and business administration become over-saturated due to an ample supply of graduates, the field of geriatrics and gerontology is set to guarantee a rewarding career with excellent advancement opportunities. What kind of Gerontology jobs around the world are available? As gerontology is a social science, most jobs around the world in this field are academic or research based. You can find work at a number of universities that teach the subject while there are also many research based jobs available to people with degrees in gerontology. What kind of careers in geriatrics can I expect? There is a lot of potential for anyone willing to invest in a career in geriatrics. These professionals are required to work with medical conditions that are common amongst the elderly. These professionals are usually required to work in care homes for the elderly. Prospective students interested in this profession are advised to search our website for a list of institutions. My search for career in geriatrics mentioned distance learning programs. What benefits are associated with this education? Distance learning programs would be mentioned when searching for career in geriatrics. These educational programs are specifically designed to help students continue their education while being employed. Students get an opportunity to study at the own pace and convenience. The curriculum for these programs is extensive with every aspect of the subject discussed in detail. Online educational programs are comparatively inexpensive with students saving on travel and accommodation. Prospective students interested in online education are advised to search our website for an extensive list of accredited institutions. Geriatric field of health care is a rapidly growing sector. The increasing number of old aged people has increased the value of geriatrics degree programs. Some of the most common degree programs in this field are: Can you name a few courses I will study in Geriatric Degree Programs? Geriatric Degree Programs focus on elderly patient care and social services. Students enrolled in these programs learn how to plan, coordinate, and provide services to elderly patients. Some of the main subjects covered in this area include the following: Do gerontology careers have any bright future? The ageing population in the United States is expected to grow in the coming years. This will directly impact of gerontologists and healthcare professionals. You can look forwarding to a rewarding career in the field of gerontology. It is important that you have the right degree and skills for such careers. While searching for a gerontology degree job, I came across the job description of these professionals. Can you name a few job duties of gerontologists? Gerontologists are professionals who study the ageing process of humans. They can be found working in all kinds of healthcare and educational settings. The job duties will depend upon the field a gerontologist works in. They may work alongside other physicians, dieticians, and medical practitioners, assisting in research and medicine. While reading about geriatric nursing certification courses-nursing home training, I decided to enroll in this program. Certificate programs are highly valued in the job market. These are designed to certify individuals in certain occupations and fields. You can boost your skill set and also update your knowledge about the profession. Many working individuals move up the corporate ladder by enhancing their credentials and skills through certification programs. What degree do I need to qualify for gerontology jobs? Gerontology is a branch of medical science that deals with disease prevention for aged individuals. Gerontologists work at old homes and hospitals and provide healthcare services to such patients. To become a specialized gerontologist, it is necessary to earn at least a bachelor degree in this field. What kind of jobs in geriatrics are available? Jobs in geriatrics depend on the degree that you pursue. As the subject is geared towards caring for the health of the aging patients so the jobs would be likewise. You can expect to work in nursing home, clinics, social welfare organizations as well as

government agencies that work for the care of elderly people. What is the outlook for jobs in the geriatric field? Jobs in the geriatric field seem to be increasing as more nursing clinics and social welfare organizations are focusing on providing better care to the elderly. This gives a promising picture for those interested in this field. Can you give me some information about jobs in geriatric field? With the rise in the number of elderly people, the need for skilled gerontologists is on the rise in healthcare organizations. These specialists are certified to provide healthcare services to the elderly. From clinics to hospitals, and from old homes to home health centers, one can expect job opportunities in all kinds of institutions. What factors affect careers in gerontology? If you wish to pursue a career in gerontology it is important that you acquire a geriatrics or gerontology degree from an accredited program. Accreditation enables you to acquire quality education and secures your career opportunities as well. Besides, you must gain relevant skills and experience, to have a competitive edge in the job market. What careers in geriatrics and gerontology should I choose? The career you opt for will depend upon your area of interest. There are many different job positions in this field that caters to the healthcare needs of the aged. You can pursue a job as a geriatric care manager, geriatric nurse, or assistant. The job requirements are likely to vary from state to state. Take a look at our page for more information. Why are geriatric medical careers considered as a good choice? Joining the geriatrics sector in medicine and healthcare can turn out to be a suitable choice. This is mainly because the population reflects a growing proportion of the aged people, which will lead to a high demand of gerontologists and geriatric specialists. There are many different career-paths in this healthcare sector. Take a look at this page for more detail. Geriatric Medical Careers Ask your Question.

### 6: Careers in Gerontology, Jobs in Gerontology

*This bar-code number lets you verify that you're getting exactly the right version or edition of a book. The digit and digit formats both work.*

Is a Gerontology Career in Your Future? That synergy, coupled with growing number of older adults, creates promising career prospects in the field of aging. In , the first wave of boomers will turn With this huge demographic bearing down on the U. At worst, serious shortages in healthcare personnel and delivery of sorely need social services will result in significant gaps in older adult care. But what types of services, activities, medical care, entertainment, and living arrangements will they want? As boomers exert pressure toward changes in addressing the many aspects of aging, social workers are perfectly positioned as trailblazers in an era when gerontology presents an exciting opportunity to ride the wave, help craft the vehicles for service delivery, and assume the positions that will direct aging Americans through uncharted territories toward a healthful, dignified, enjoyable, and rewarding aging process. As a stand-alone discipline, gerontology intersects with other disciplines involving programs, products, and services related to the aging population. The challenge, Fassbinder says, is translating competencies to employment. Social work training lays the groundwork for gerontology competencies, including general skills, writing, communicating, project management, and ethics. Functioning in the field of gerontology requires extrapolating those skills and honing them in specialized areas related to older adults. White says social workers are clinically trained to establish relationships with people. Using their training in systems perspectives with families, groups, and communities, social workers learn to identify issues, interview effectively, and probe situations in order to utilize their problem solving, mediation, and facilitation skills. Seeking to identify and classify problems in social functioning via the person-in-environment PIE system allows social workers to understand clients experiencing problems with self-perceptions, their individual roles, and interactions with others, all within the context of their environments. Basic social work competencies easily translate to gerontology. The exposure not only prepares them for interaction with that specific population but also provides an introduction into a broader arena desperately in need of personnel equipped to address the many aspects of aging. This involves embedding gerontological competencies into the core curriculum and organizational structures of social work programs. The large number of older adults creates a critical demand for professionals in the field of gerontology. In the United States, one person in eight is over the age of 65, and the fastest growing age group in U. By the middle of this century, one in five Americans will be over the age of 65, and the population will include 15 to 18 million people over the age of Programs are in place to bolster the number of professionals committed to our aging population. Through a project funded by the John A. It involves concerted efforts toward creating opportunities for social work students to work with older adults. The CWSE has trained its faculty to pass along knowledge of topics related to aging issues to social work students, with funding in place to implement specialized training to help faculty infuse gerontological education into various programs, Brooks-Danso says. The practice has been in place for 10 years. The fit between social work and gerontology is ideal, according to Watkins. She says social work students tend to be younger, and some are intimidated by working with older adults. And with the incredible demand, gerontology continues to become a more attractive area for professionals. Promising opportunities exist not only within healthcare but also within the corporate world, which Brooks-Danso says holds appeal for its lucrative possibilities. Banks offer prospects for case management. Corporations need retirement coaching for their workers. Industry offers opportunities within employee assistance programs EAPs and unions, according to Brooks-Danso. They realize the average pay is low for gerontological social workers. But she and her colleagues are looking into legislation changes that would forgive student debt for social workers in the field of aging. Both the need and the promise exist for social workers to transition their careers toward the field of gerontology. Bureau of Labor Statistics. Sparked by the burgeoning older adult population, the demand for healthcare and social services will create excellent job prospects for gerontological social workers. A professional with a gerontological background would be helpful in developing marketing strategies in various business settings, such as pharmaceuticals, she says. She

also sees increasing prospects for professionals with social work backgrounds doing well in the field of human resources. But many opportunities have yet to be revealed. But, she admits, boomers have a different vision for retirement. There are niches for nurse underwriters to work with claims administrators in the long-term care insurance field, home care opportunities, day care administration, and financial institutions. Those with social work backgrounds have trended toward careers with banks, law offices, geriatric care management, and EAPs, according to White. Ultimately, they feel a great personal reward and connection through this work. Opportunities According to the U. Between and , healthcare will generate 3 million new jobs, more than any other industry. This includes many opportunities for careers in gerontology. Those competencies include the following:

### 7: Career Paths In The Field Of Aging | Download eBook PDF/EPUB

*Download career paths in the field of aging or read online here in PDF or EPUB. Please click button to get career paths in the field of aging book now. All books are in clear copy here, and all files are secure so don't worry about it.*

However, within the information technology space, some jobs are expected to fare better than others. Below is an overview of three IT career paths expected to see even more accelerated growth between and Information Security Analysts Experts in network and computer security, information security analysts handle all aspects of network security including encryption, firewall administration and network protocols, and may handle a variety of responsibilities from developing security policies to conducting risk assessments and security audits, or from recommending upgrades to data systems security to dealing with data security breaches. Overall occupation growth Best opportunities by industry Computer Systems Analysts Computer systems analysts are responsible for integrating business management and data analysis, assessing how automated systems can be implemented to solve complex business problems, providing IT support for business users and making software and hardware recommendations to achieve business objectives. Example responsibilities include developing Web-based applications, writing site code, integrating back-end systems and providing technical assistance. Overall occupational growth Best opportunities by industry Building a New Grid: Emerging IT Career Fields For the foreseeable future, the demand of highly skilled IT professionals is expected to outpace the supply, according to human resource consulting firm Robert Half. Specifically, Robert Half predicts companies will be seeking talent in three major areas: Employers across industry sectors have built those three areas into the core components of their infrastructure, products and services. In turn, what does this mean for the current information technology industry? Mobile The impact of mobile technology cannot be understated as it is altering digital, economic and social landscapes on a global scale. Consider research from Boston Consulting Group: Venture capital investments in mobile technologies doubled between and and now comprises nearly 8 percent of all venture capital investments. In short, the increasingly mobile world is placing great demands on companies to adjust, launch new products and develop mobile-centric infrastructures and content – all of which means IT professionals can expect to see increases in job employment and compensation in mobile-focused positions. Data Security In , a data security breach exposed 56 million credit card numbers, while a data attack on Target in led to the exposure of another 40 million credit cards. The field sits poised for exponential growth with the ever-expanding needs for encryption, authentication, certificate management, firewall infrastructures and anti-malware. Not surprisingly, IT professionals in this space – such as data security analysts, network security administrators and systems security administrators – are all in high-demand. Big data The latest hulking IT industry is big data. The ability to transform massive quantities of raw data into actionable insights has become paramount in the global economic arms race. Getting the data is one thing; harnessing its power is another. Businesses around the world require trained, skilled and talented professionals who understand how to retrieve, analyze, digest and report on that data. What does that mean for the IT professional? She offers the following insight and recommendations for prospective and current IT students: Interview with Dana Edberg What is your current job title? Could you describe your role and general day-to-day responsibilities? I am a tenured associate professor of information systems. My job is to teach, perform research and help support the university and community through service. I teach classes each year in database design and implementation, data warehousing, business intelligence and computer application development. As part of my research agenda, I do both academic and practical research. For example, I worked with a team of faculty members to evaluate the implementation of a health information exchange in Nevada that was conducted as part of the HITECH Act. We have published one paper from that research and have three others in various stages of completion. All tenured faculty members also provide service to the university, academic and professional communities. For example, I serve on curriculum committees that perform ongoing evaluation of the curriculum delivered to undergraduate and graduate students. Where did you get your education and why did you choose that program? I took my first course in programming and fell in love with writing programs. It was such an

incredibly creative outlet – writing programs to have a computer do something. The degree program combined knowledge of business with technology, helping me understand how technology can be used effectively by organizations and individuals. I learned about business processes and accounting, making it much easier to automate those processes in organizations. It would have been tough to automate an accounts receivable process if I had no idea what accounts receivable actually did. It is great fun! My degree program helped me learn the basics of computer technology, business and programming allowing me the opportunity to expand on that knowledge with experience after graduation. Where do you see the IT field heading? What are the emerging trends in the field? The IT field goes through fads fairly reliably. We continue to focus on providing more power in individual devices that can be connected with other devices to get work done for people. A totally different direction would be if we were focusing on making devices that are more simplistic and easy for people to use, but we continue to create greater complexity with more powerful, sophisticated multi-purpose devices. So rather than having a device that does one thing really well like a phone that makes good consistent phone calls we have a device that does many things pretty well like a phone with apps for email, web access, games, home device control, shopping, etc. The trend continues, but emerging stuff within that includes big data, more complex devices, more cyber crime, non-relational databases, more virtual social connections, etc. From your professional experience, what are the most important skills an IT professional should possess? I think an IT professional should have an almost insatiable interest in what is going to happen next and why. An IT professional should have a scientific, methodical approach to problem solving. In other words, the ability to isolate the symptoms of a problem from the actual problem, the ability to identify a set of potential solutions and the discipline to try methodically one solution at a time until an appropriate solution is found. An IT professional should be patient enough to try different solutions in a systematic way. Another key skill includes the ability and desire to communicate with others. As far as technical skills, I think an IT professional should be able to program and test in at least one programming language to understand at some level how technology works. What advice do you have for prospective students considering a career in IT? Consider your own personal characteristics before pursuing a career in IT. Do you enjoy change? Do you get bored easily? Do you want to do something different often? Are you comfortable not always knowing what you are doing, but trying to do the work anyway? Do you like working in a fairly fast-paced environment? If yes, then IT may be for you. Technology changes so often that you will probably never feel very comfortable or confident that you know exactly what you are doing. Top Employers in IT Careers CompTIA reports that the IT industry, logically, employs the largest number of information technology workers, while other major industries include finance and insurance, information, government and manufacturing. At the business level, IT professionals can pursue a range of employment opportunities in industries ranging from healthcare to banking, retail and human resources.

### 8: Career paths in the field of aging ( edition) | Open Library

*Jobs! Career growth! This is what the field of Aging Services offers to participants in the workforce looking for a niche in the twenty-first century.*

There is so much competition for jobs right now and little job growth in many industries. That is why it is important to find a career track that is growing and not contracting. So, what are the best jobs in America? That question can be difficult to answer. You need to consider the best potential for job growth, pay, stress level, job satisfaction, and other factors. I thought it would be most helpful to look at these jobs by their broader career fields. As everyone probably knows, nurses are in high demand. Nurse practitioners can perform many of the same functions as doctors such as prescribing medicine and treating illnesses. With an aging population, the demand for healthcare is expected to double over the next decade. Physician assistants have climbed up to number 2 in the best jobs in America. They conduct physical exams, prescribe medicine, and treat illnesses. What does a physician assistant make? One career that you may not have heard about is a nurse anesthetist. Certified nurse anesthetists CRNA are in demand and make more money than many family physicians. So what does it take to become a nursing anesthetist? A CRNA must be a registered nurse and have at least one year of full-time nursing experience. These innovative engineering professionals are responsible for helping to analyze and store data. The engineering field is not the only IT field experiencing growth. You could find a rewarding career in the financial services industry. As more companies are doing away with pension plans, employees will need help with retirement planning. Actuaries measure the statistical probability of certain events occurring. All of these finance-related fields typically require an undergraduate business degree. As students return to school, there is an increased need for college professors. College professors enjoy great flexibility in their work schedules, freeing them to do a variety of other tasks. Do you love working with kids? You could become a school teacher. Teaching at the collegiate level normally requires a graduate degree in a related field. Technical Jobs Physical Therapist Assistants, Dental Hygienists, Veterinary Technicians Many technical jobs require certifications but do not require that applicants obtain a college degree. Physical therapist assistants are responsible for developing treatment plans, documenting treatments, and modifying specific treatments to the needs of the patient. Dental hygienists clean teeth, take X-rays, and perform routine oral procedures. Veterinary techs perform medical tests, prepare vaccines and tissue samples, and take blood samples. Estimators are important to customers because they help to determine whether a project will make money for a firm or become a money loser. A construction estimator position requires lots of experience and accuracy. Sales executives are needed to motivate staff and help companies reach their revenue goals. They have to be outstanding at customer relations and place employees in the best position to close deals. Sales may be a high stress, high pressure occupation but it pays very well. Consulting Jobs Management Consultants, Healthcare Consultants Companies are looking for ways to save money on employee costs and one of the best ways to do this is by outsourcing projects. This is why consultants are expected to be in incredibly high demand. Companies do not have to provide benefits or pay healthcare costs for consultants. The consulting industry is expected to see double-digit growth over the next decade. Engineering Jobs Project Engineer, Civil Engineer, Structural Engineer, Environmental Engineer, Biomedical Engineer There is a dearth of math and science majors in universities and the engineering industry is reflecting that. Companies are having an increasingly difficult time finding quality engineers. The work is low stress and the job satisfaction is incredibly high. They are responsible for supervising many of the day-to-day functions and maintaining smooth interactions with management and staff. Risk management managers help to mitigate risks and keep firms from potential risks that can cripple them. Product managers oversee the launch and implementation of new products and processes. These are all important job functions in which most current employees see continued job growth in their professions. Final Word Technology and business evolve quickly, and new careers come and go just as fast. What do you think are the best jobs to have over the next 10 years? Are you pursuing or currently working in any of these career fields?

### 9: Human Services Careers | [www.enganchecubano.com](http://www.enganchecubano.com)

*The average salary for a systems engineer is \$87,, and the career field is expected to grow 45% over the next 10 years. To become a systems engineer, you need a bachelor's degree in engineering. Software architects have taken the title as the best job in the country with job growth of 34% and an average annual salary of \$, per year.*

*Hitlers rise to power worksheet Soldier and society in Roman Egypt FrontPage 2000 fast easy A new way topay old debts Imperial visions : rebuilding the Bank of England, 1919-39 Iain Black Introduction. Correcting imperfections Family life in Islam S.A. Ali Ordeal of consciousness in Henry James When Light Pierced the Darkness Powers and principalities 2009 Economic costs of smoking and benefits of quitting Toadstools and mushrooms and other large fungi of South Australia. An act to regulate the trade of the provinces of Lower and Upper Canada, and for other purposes relating America : one nation under God Currency trading and intermarket analysis If God were real you would be really, really rich D desperado, John Wesley Hardin/ Shakespeare in Fact and in Criticism The Ragas of North India Acquisition of cultural practices of achiever identities as learners The New Age Bible Interpretation The New Testament Resources of Southern libraries P c nelson books Chaos and Amber UK Edition The Complete Book of Sports Nutrition Lower Mount Washington Valley Through the Eye of the Shaman The Scrabble companion Virus elimination and validation Nicola Boschetti and Anna Johnston Journal of a visit to some parts of Ethiopia. Proceedings of the 12th International Zeolite Conference Luke Tie man to William 227 The doctrine of the last things, Jewish and Christian Ms word merge uments and create Teaching the Gifted, Challenging the Average Saint Augustine, Florida. A framework for task based learning willis Escape Of The Living Dead Waiting for Hitler Rainbow six tom clancy*