Peter Gomes   May 26, 2015

PowerPoint Track Notes

Information Support Services and Networking

- Computer Trainer
  - Maximizes computer output
  - Prepares system operators by developing and conducting training programs; measuring and approving trainee's progress
  - Develop and conduct training programs
  - Guide user actions by researching, writing, and updating procedures and guidelines
- Database Developer
  - Makes databases for organizing data
- IT Project Manager
  - Controls IT related planning, organizing, giving people responsibility, etc.
- Information Security Analyst
  - Plan and implement security for a business or job.
- E-Business Consultant
  - Help companies thrive online (bring business online)
- Technical Writer
  - Writer who scribes or documents technical information
- Office Machine Repairer
  - Repair office machines
- Desktop Publisher
  - Creates documents to publish on the computer
- Electronics Repairer
  - Help repair, design, test, and manufacture electronic equipment.
- Technical Sales Representative
  - Help sell tech products

Information Support Services and Networking

Technical School: New England Tech

- Location: Warwick, Rhode Island
- Cost: $21, 375 to $22,875.
- Career Majors: Network Engineering Technology, Information Technology

2 Year College w/ Associate's: Northeast Iowa Community College

- Location: Calmar, Iowa
- Cost: $154 per credit hour.
- Career Majors: Networking and Programming, Information Security, Networking Administration and Tech Support

4 Year College w/ Bachelor's: University of Oxford

- Location: Oxford, United Kingdom
- Cost: £14,845 ($23,046.26) to £21,855 ($33,927.54)
- Career Majors: Computer Science

Job Listings:

- Local: Bioclinica: Fall River, MA; In need for Product Developer, need Bachelor's Degree, Excellent oral and communication skills, 5+ years of software engineering.
- Regional: Curriculum Associates: North Billerica, MA; Need an IT Project Manager, 8+ years in IT, solid experience in MS projects, associate's or bachelor's degree in IT-related fields.
- National: Ohio Health: Columbus, Ohio; IS Support Tech Job, 1 year in experience, prior experience in a Helpdesk environment, hands on knowledge and technical skills, A+ certified.
- International: Necotrans: Paris, France; Support/Help Desk (Technical Support), 5-6 years of experience, tech school graduate.

Pros	Cons
I can personally get a better computer system at my home.	Clumsy building computers.
Helpful to others.	Afraid I'll mess up giving directions.
Cisco certification.	Hard to get certification.

Programming and Web Development

- Video Game Developer
    - Specializes in video game development.
    - Split up into programming, design, art, etc.
    - Independent developers (Indie developers)
    - First, second, third, and independent party developers
    - First- console making, second- two types of game development studios, third- work with publisher to make a game, independent- doesn't receive as much recognition as other developers.
- Web Developer
    - Create websites
    - Takes a team to make a large website
    - Some work in PhotoShop, other write HTML and CSS
- Computer Programmer
    - Create software programs
    - Usually in C++ and Java
    - Design instructions for the program to follow
- Computer Animator
    - Create animation
- Computer Scientist
    - The study of the science of computers
- Quality Controller
    - Verify and maintain a system's quality
- Multimedia Developer
    - Work with information systems and delivery protocol
- Computer Software Engineer
    - Create software for people to use like Microsoft Word
- Bioinformatics Specialist
    - Test code and make sure applications work
- Web Administrators
    - Maintain websites

Schools for Each Track

Programming and Web Development

Technical School: ITT Technical Institute

- Location: Norwood, Massachusetts
- Cost: Tuition costs from $45,000 to $85,000.

- Career Majors: Software Applications and Programming, Web Development, Software Development Technology

    2 Year College w/ Associate's: Brigham Young University

- Location: Brigham, Idaho
- Cost: Tuition costs $3,850/yr.
- Career Majors: Web Design, Web Development, Web Commerce/Business

    4 Year College w/ Bachelor's: Full Sail University

- Location: Winter Park, Florida
- Cost: Tuition costs $22,046
- Career Majors: Web Design and Development, Game Design, Computer Animation

Job Listings

- Local: ecUtopia: Raynham, MA; Need Lead Front End Web Developer, need to be fast paced and know html5, CSS3, JavaScript, C#, etc
- Regional: Skillz Inc.: Boston, MA; In need of game programmers.
- National: Dreambacka: New York, NY; Looking for Game Developers and Game Designers
- International: HBGQ: Doha, Qatar; In need for Graphic Designer, Game Developer, and Web Project Manager

Pros	Cons
Like taking pictures.	Shaky hands.
Experience coding video games.	Make mistakes a lot (lots of debugging).
Good at making websites, 6 years of experience.	Takes a lot of time to perfect.