

COMPUTER-RELATED FIELDS- Career Resource Guide

Sample Career Options

Application Analyst	Support a given application or applications which may include programming, system administration skills, and the ability to analyze a given problem, diagnose, and solve it.
Business Systems Analyst	Plan and develop methods for computerizing business tasks or improving existing systems. Serve as link between computer resource center and users.
Cyber Forensic Analyst	Conduct examinations of computers and media generated by computers to develop evidence in support of internal and external investigations in the specialty area of forensic computer science.
Data Analyst	Collect, process and perform statistical analyses of data. Discover how data can be used to answer questions and solve problems.
Help Desk Analyst/PC Support	Provide help desk support, train new users and perform system back up and data recovery.
Quality Assurance Analyst	Develop and execute software test plans, identify and facilitate issue resolution with functional and technical groups, manage software beta test programs and document results.
Systems Administrator	Work with basic computer configuration, help end users, manage backups, troubleshoot network connectivity, administer user accounts, review audit logs, monitor network performance and manage software licenses.
Systems Security Administrator	Create, modify and delete user accounts. Monitor systems security and respond to security incidents. Participate in security system testing. Ensure confidentiality of data.
Web Developer	Engineer internet-specific software to post and update information on websites.

Related Job Titles

Application Analyst	Network Administrator
Business Systems Analyst	Network Security Administrator
Competitive Intelligence Analyst	Programmer- Enterprise Systems
Cyber Forensic Analyst	Quality Assurance Analyst
Data Analyst/Architect	Software Developer/Engineer
Data Security Analyst/Risk Analyst	Systems Administrator/Analyst
Database Administrator	Systems Security Administrator
Help Desk/Desktop Support Analyst	Web Designer/Developer

Associations/Societies

Association for Computing Machinery (ACM) *	www.acm.org
Association for Information Science and Technology **	www.asis.org
Association of Information Technology Professionals **	www.aitp.org
HelpDesk Institute (HDI)	www.thinkhdi.com
Information Systems Security Association	www.issa.org
National Cyber-Forensics and Training Alliance (NCFTA) **	www.ncfta.net
Strategic and Competitive Intelligence Professionals *	www.scip.org
The International Association of Computer Investigative Specialists	www.iacis.com
The International Society of Forensic Computer Examiners	www.isfce.com
Women in Technology *	www.womenintechnology.org

* Contains employment listings

** Contains employment listing for members only

Career Information Resources

Vault is a comprehensive career resource that includes industry and profession overviews; rankings and profiles for employers and internship programs; a job and internship database; career articles, blogs and videos; sample resumes, cover letters and interview questions; and over 100 career guides. A selection of the Vault Guides is listed below.

Career Launcher:

Computers and Programming
Internet

Vault Guide to...

Computer Software Jobs
Information Technology Jobs
Internet Content Jobs
Social Media Jobs

Vault Career Guide to...

Information Technology
Internet and Social Media

Note: Refer to the CPDC website for a link to Vault as well as the CPDC Tip Sheets and ColonialTRAK job postings.

Selected RMU Activities & Organizations

Alpha Iota Mu (information systems honor society)
Association of Computing Machinery
Office of Engaged Learning & Community Involvement

Society for the Advancement of Management
Student Information Technology Advisory Committee
Top Secret Colonials (Cyber Forensics)

Career & Employment Websites

Computerjobs.com
Computerwork.com
ComputerWorld
Dice: The Career Hub for Tech
Mashable Job Board
Occupational Outlook Handbook – Search Computer and Information
Technology Occupations
Pittsburgh Career Connector (Pittsburgh Technology Council)
Tech Careers

www.computerjobs.com
www.computerwork.com
www.computerworld.com
www.dice.com
www.mashable.com/tech
www.bls.gov/ooh/computer-and-information-technology
www.pghcareerconnector.com
www.techcareers.com

Note: A helpful list of general job search websites is available on the Internet Tip Sheet at www.rmu.edu/careercenter.

Salary Information

RMU Salary Survey	Mean:	Range:
Computer Information Systems (2016)	\$55,666	\$31,000 – \$120,000
Cyber Forensics and Information Security (2016)	\$50,720	\$35,000 – \$ 60,000

Bachelor-Level Internship Organizations

Ariba, Inc.
Bayer
Black Box Network Services
Eaton
FBI-Cyber
Federated Investors, Inc.
FedEx
Highmark Health Solutions
Hiperos, LLC
IBM
Kaplan Inc.
LunaMetrics

Management Science Associates
Michael Baker International
Mylan
National Cyber-Forensics & Training Alliance
Plus Consulting
PNC Bank
PNC Financial Services Group
Robert Morris University – IT
Scholar Hero, Inc.
SDLC Partners
United States Steel Corporation
UPMC

Bachelor-Level Hiring Organizations

ABB – Quality Engineer
ADP – Operations Manager
Allegheny County Department of Human Services – Desktop
Support Technician
Apogee IT Services – Apprentice
BAE Systems – Computer Programmer
BDO USA, LLP – Tech Sales Engineer
CCAC – Service Desk Support Analyst
Continuum Managed Services – Help Desk Technician
creehan & company – Operations Analyst
Dick's Sporting Goods – Service Desk Technician
Duo Security – Technical Support Engineer
EDMC – System Administrator
Federated Investors – Associate Business Analyst
Federated Investors – Associate Developer
Federated Investors – Information Security Analyst
General Electric Digital – Event Analyst
Ideal Integrations – NOC Technician

King Saud University – Project Manager
NTT Security – Cyber Security Specialist
People's Natural Gas – Security Analyst
Pitt Ohio – Business Analyst
Plus Consulting – IT Security Consultant
Plus Consulting – Web Developer
PNC – Development Program Associate/Analyst
PNC – Information Technology Associate
PNC – Infrastructure Configuration Consultant
PNC – Technology Specialist
PNC – UI Developer
PPG Industries, Inc. – Help Desk Technician
Questeq – Help Desk Technician
United States Department of Agriculture – IT Specialist
United States Steel Corporation – Field Service Analyst
UPMC – Information Security Analyst
Wombat Security – Technical Support Representative