

COMPUTER-RELATED FIELDS- Career Resource Guide

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.
PC Support/Help Desk Analyst	Provide help desk support, train new users and perform systems 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.

Business/Industry 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 Library Books

101 Jobs in Technology	Careers in Focus: Computers
ACE The Technical Interview	Careers in Focus: Internet
America's Top 101 Computer and Technical Jobs	From Biotech to Hollywood: New Career Opportunities in Tech
America's Top Computer and Technical Jobs	Opportunities in Technical Sales Careers
Career Opportunities in Computers and Cyberspace	The Insider's Guide to Breaking in and Succeeding
Careers in Computers	in the Computer and Video Game Business (Game Plan)
Careers in Focus: Computer and Video Game Design	Vault Guide to Technology Careers

Selected RMU Professional Organizations

Alpha Iota Mu (information systems honor society)
Association of Computing Machinery
Office of Student Civic Engagement

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 - findjobs.mashable.com
www.bls.gov/ooh

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

Computer Information Systems (2015)
Cyber Forensics and Information Security (2015)
Information Sciences (2014)

Mean:

\$78,900
\$52,083
\$36,000

Range:

\$33,000 – \$250,000
\$50,000 – \$ 55,000
\$20,000 – \$ 52,000

Bachelor-Level Internship Organizations

Ariba, Inc.
At Home Senior Services
Axiall Corporation
Crown Castle
Eaton
Federated Investors, Inc.
FedEx
Hefren-Tillotson
Highmark
Hiperos, LLC
IT Cadre
Kaplan Inc.
Management Science Associates
Michael Baker International

National Cyber-Forensics &
Training Alliance
Pittsburgh Zoo & PPG
Aquarium
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

Afinety, Inc. – Systems Engineer
Bayer Corporation – IT Analyst
Bayer Corporation – IT Senior Consultant
Broadridge Financial Solutions, Inc. – Data Management Services
Analyst
Civil & Environmental Consultants, Inc. – Software Developer
CONSOL Energy Inc. – Tech Support Analyst
creehan & company – Quality Assurance Tester
Darice, Inc. – Help Desk Analyst II
GRONE Health Care – Systems Analyst
Highmark – Application Developer
Highmark – Associate Application Programmer
Highmark – Associate IT Analyst
LIT Solutions, LLC – Associate Software Developer
LANtek Computer Services – Help Desk Analyst
Management Science Associates, Inc. – Data Analyst

NOVA Chemicals Corporation – IT Systems Analyst
Panopto – Application Engineer
PNC – Infrastructure Engineer
PNC – Software Engineer
Randstad Technologies – IT Security Contractor
Robert Morris University – Associate Programmer Analyst
Robert Morris University – Programmer Analyst
Solutionary, Inc. – Information Security Analyst
Tata Consultancy Services – Software Engineer
TeraSwitch Networks – Systems Engineer
Thermo Fisher Scientific, Inc. – IT Asset Management
Analyst
United States Steel Corporation – Application Developer
Management Associate
UPMC – Information Security Analyst
