CAREER GUIDE – INFORMATION SYSTEMS

Information Systems jobs are found in most corporate, public sector, and non-profit organizations. Key areas include BI, computer and network support, database management, data warehousing, project management, quality assurance, security and web and mobile application development.

IN DEMAND SKILLS

Programming Languages: C, C++, C#, CSS, HTML, iOS, Java, JavaScript, Objective-C, Node.js, Swift2, Go, TypeScript, Perl, PHP, Python, R, Ruby/Rails, SQL, Visual Basic

Business Analytics/Intelligence Tools: Tableau, Cerner, SSRS, SSIS, Crystal, MicroStrategy, Informatica, Oracle BI, Cognos, Spotfire, MS Power BI Suite

Databases: Oracle, MS SQL Server, IBM, SAP Sybase, Postgre, MySQL, Informix

Methodologies: Agile, LEAN, Kanban, Waterfall

INFORMATION SYSTEMS – CERTIFICATIONS

Certified Associate in Project Management (CAPM)	Certified Information Systems Security Professional (CISSP)
Project Management Professional (PMP)	Cisco Certifications (CCNA, CCNP, CCIE, CCDP, CCDA)
Six Sigma Green Belt	ITIL
Microsoft Certifications (MCP, MCSE)	A+
ISACA Certifications (CRISC, CISM, CGEIT, CISA)	Certified Scrum Master

Tableau – Download Tableau Desktop for free; Student resource page for learning options
https://www.tableau.com/academic/students

Coding self-study sites:
codeacademy.com; https://www.freecodecamp.com; https://udemy.com; www.coursera.com; https://cloud.google.com/certification

ADDITIONAL INFORMATION SYSTEMS CAREER INFORMATION
www.isaca.org | www.denverissa.org | www.chima.org | www.coloradotechnology.org

INFORMATION SYSTEMS JOB TITLES
EARLY CAREER

Analyst | Specialist | Administrator Titles
Business | Systems Analyst
Data Analyst
Business Intelligence
Computer Support
Cybersecurity
Database
Data Warehouse
Developer
eCommerce
Help Desk
Information Security
Mobile Applications
Network
Project Manager
Quality Assurance
Reports Writer
UX | UI Designer
Web Analytics | Web Developer

TAKE ADVANTAGE OF LINKEDIN LEARNING (AVAILABLE FREE IN UCDACCESS) TO INCREASE YOUR KNOWLEDGE OF CONCEPTS AND IN-DEMAND SKILLS.

INFORMATION SYSTEMS EMPLOYERS

Public and Private Corporations
Small Businesses
Startups
Banks, Financial Services
Investment Services
Healthcare Companies
High Tech Companies
Government Agencies and Universities
Non-Profit Organizations
Consulting Firms
IT Outsourcing Firms
Staffing Firms