

# COMPUTER INFORMATION SYSTEMS- SOFTWARE DEVELOPMENT

Computer Information Systems involves the study of programming, databases, and other computer concepts and applications. It is more focused on the practical uses of computer systems in business. Technology professionals fill a wide range of jobs in just about every industry.

Computer Information Systems (CIS) are prominent in the modern world. The CIS major at Lander University allows students to develop the knowledge and skills required to understand these systems and participate in their creation and maintenance. The software development emphasis requires advanced courses in that area.

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| <p><b>Career Titles</b></p> <p>Some of these positions may require additional education or training above a Bachelor's Degree.</p> | <ul style="list-style-type: none"> <li>Application Architect</li> <li>Chief Information Officer (CIO)</li> <li>Computer Systems Software Engineer</li> <li>Computer Applications Software Eng.</li> <li>Computer Software Engineer</li> <li>Computer Systems Analyst</li> <li>Computer Operations Manager</li> <li>Database Administrator</li> <li>Database Manager</li> <li>Data Communications Analyst</li> <li>Data Communications Manager</li> <li>Database Analyst</li> <li>Database Technician</li> <li>Digital Media Designer</li> <li>Desktop Support Manager</li> <li>System Director</li> <li>E-Learning Designer</li> <li>Game Programmer</li> <li>Help Desk Manager</li> <li>Internet Application Developer</li> <li>Internet Database Specialist</li> <li>Internet Site Designer</li> <li>Information Architect</li> <li>IS / IT Manager</li> <li>LAN Administrator</li> </ul> | <ul style="list-style-type: none"> <li>Management Consultant</li> <li>Management Analyst</li> <li>Multi-media Specialist</li> <li>Network Systems Analyst</li> <li>Operations Research Analyst</li> <li>Programmer</li> <li>Project Manager</li> <li>Robotics Programmer</li> <li>Software Architect</li> <li>Software Developer</li> <li>Software Quality Assurance Specialist</li> <li>Systems Administrator</li> <li>Systems Analyst</li> <li>Software Development Engineer</li> <li>Software Programmer</li> <li>Systems Programmer</li> <li>Teacher of Science/Math/Computers</li> <li>Telecommunications Manager</li> <li>Technical Support Specialist</li> <li>Technology Analyst</li> <li>Technical Writer</li> <li>Video Game Designer</li> <li>Web Master</li> <li>Web Developer</li> <li>Web Designer</li> </ul> |
| <p><b>Employment Settings</b></p>  | <ul style="list-style-type: none"> <li>Armed Forces</li> <li>Banks &amp; Financial institutions</li> <li>Businesses of all types</li> <li>Colleges &amp; Universities</li> <li>Computer Vendors</li> <li>Consulting Firms</li> <li>Hospitals &amp; Health Centers</li> <li>Internet Service Providers</li> <li>Internet Search Engine Companies</li> <li>Insurance Companies</li> <li>Law Firms</li> <li>Local, State &amp; Federal Government</li> </ul>   | <ul style="list-style-type: none"> <li>Manufacturing Companies</li> <li>Management Consultant Firms</li> <li>Network Access Points</li> <li>Non-Profit Organizations</li> <li>Public &amp; Private schools</li> <li>Public Interest Organizations</li> <li>Retail chains</li> <li>Religious Organizations</li> <li>Research Laboratories</li> <li>Software &amp; Computer companies</li> <li>Website Design Companies</li> </ul>  |

# ONLINE RESEARCH

- [http://www.nextstepsystems.com/about\\_positypes.htm](http://www.nextstepsystems.com/about_positypes.htm)
- [Tech Career Compass](#)
- [About.com](#) : An informational website targeting various areas of the computer technology industry as well as IT education and certification information.
- [Career Space](#): European based web site outlining generic skill profiles and curriculum.
- [High Tech Careers](#): Career publication for engineering, computer and IT professionals.
- [Northern Virginia Technology Council](#)  
The Northern Virginia Technology Council (NVTC) is a membership organization representing the interests of the technology community in Northern Virginia. NVTC offers networking and educational events, member benefit services, public policy advocacy and community service opportunities.
- [YourITFuture.com](#) : New Horizon's sponsored site that allows users to design their IT training path.
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- [CompTIA IT Professional Membership Website](#)  
This member's only website offers a vast array of career tips, skills and resources to CompTIA certified individuals for a yearly membership fee.
- [Monster.com](#) : Monster.com's career center offers information on resume writing and interviewing.
- [MyFuture.com](#) : Military focused website that offers a career toolbox that includes resume and cover letter writing information.
- Microsoft internships: [http://www.microsoft.com/college/ip\\_swandhwdev.msp](http://www.microsoft.com/college/ip_swandhwdev.msp)
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