James L. Master

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OBJECTIVE

To obtain a position as a software engineer utilizing my educational background and computer language skills.

EDUCATION

Clemson University, Clemson, SC   May 2017
Master of Science in Computer Science   GPA: 3.85/4.00
Thesis: Anytime Solving by Solution Refinement

Clemson University, Clemson, SC   May 2015
Bachelor of Science in Computer Science   GPA: 3.65/4.00
Minor in Mathematical Sciences
South Carolina Palmetto Fellows Scholarship

RELATED EXPERIENCE

Clemson University, School of Computing, Clemson, SC   May 2015 – Present
Junior Systems Programmer, Graduate Assistantship
- Assist in the installation, configuration, and maintenance of Solaris, Linux, and Mac OS X systems
- Investigate emerging technologies and setup test environments
- Write and maintain administrative scripts and C/C++ programs
- Create, destroy, and debug user accounts, and assist users at the UNIX helpdesk
- Led the way in introducing Linux to the public lab system

Cisco Systems, Research Triangle Park, NC   June 2016 – August 2016
Systems Programmer Intern
- Assisted with the planning, installation, deployment, and maintenance workstations, file servers, disk arrays, email servers, web servers, printers and print servers, databases, and various other systems
- Continually maintained adequate security and backups for all production services and data
- Planned, documented, and executed service migrations while minimizing downtime
- Evaluated and implemented current and emerging technologies following industry best practices
- Generated reports on system usage and suggested improvements to management
- Installed and maintained commercial and open source software packages
- Assisted research teams in capacity planning for upcoming or expanding research projects
- Wrote and maintained shell & Perl scripts and C/C++ programs to aid with job duties and to assist users

Cisco Systems, Inc., Customer Advocacy Lab Operation, Research Triangle Park, NC   June 2015 - August 2015
Network Lab Operator Intern
- Recreated customer environments on the entire range of Cisco's devices and operating systems to enable support engineers to debug customers' problems
- Performed full hardware configuration, initial software setup, and establish basic network connectivity of environments ranging from 1 to 30 devices
- Participated in the on-call night and weekend rotation for high priority cases
- Led and attended group training sessions on topics ranging from IP routing protocols to MPLS to VPN
- Developed new methods to aid in device configuration and lab management
- Passed the Cisco Certified Networking Associate (CCNA) exam

VOLUNTEER EXPERIENCE

The Bike Shop, Duluth, GA   May 2014 - Present
IT Volunteer
- Create and update website utilizing DreamWeaver and PHP
- Work remotely to ensure usability of web interface
- Increase the number of unique site visits through web design and measure using Google Analytics

Daniel High School, Central, SC   August 2013 - Present
Tutor
- Assist high school students with math coursework such as geometry, pre-calculus, and calculus
- Develop quizzes to help students understand mathematics material

Habitat for Humanity, Clemson, SC   August 2013
Volunteer
- Volunteered 20 hours of service for 1 week during the semester
- Helped to construct a house with other volunteers to give to the community

PROFESSIONAL AFFILIATIONS & ORGANIZATIONS

Association for Computing Machinery   May 2016 - Present
Association for Information Systems   May 2016 - Present
School of Computing Graduate Association   August 2015 - Present

TECHNICAL SKILLS

Operating Systems: Windows, Mac OS X, Solaris, Redhat
Database Systems: Oracle, MySQL, MongoDB
Languages: Java, C++, OCamel, C, SQL, HTML, Perl, Visual Basic
Distributed Computing Technologies: Hadoop, ActiveMQ

COMPETENCIES & YOUR RESUME OR CV

How can your resume or CV reflect the competencies employers are seeking?

Competency & Definition *Consider printing a position description & circling the below words and synonyms that appear in it. Bullet points should reflect these words/synonyms.*			Give specific examples & quantify where possible *Club / organization, internship, co-op, part or full-time job, assistantship, Creative Inquiry, research, study abroad, volunteering, special project, etc…*
Engagement	**Communication**	Engaging in dialogue that leads to productive outcomes and points of connection by effectively articulating one's self to individuals within and outside of one's industry or area of expertise.	
	Collaboration	Developing authentic and mutually beneficial relationships by valuing everyone and taking responsibility for one's role within a team.	
	Leadership	Being able to recognize, respect, develop, and capitalize on the unique strengths of individuals from all backgrounds and being an active member in a group that achieves a shared vision.	
Innovation	**Adaptability**	Taking the initiative to further enhance one's skill set and being creative with ways of thinking or approaches that allow for action, reflection, failure, and resilience in an ever-changing world.	
	Analytical Skills	Seizing the opportunity for organizational improvement that prompts critical thinking and problem solving by obtaining, processing, and synthesizing information.	
	Technology	Employing current and emerging software and tools to solve general and industry-specific challenges.	
Professionalism	**Self-Awareness**	Understanding one's strengths, limitations, emotions, and biases in a variety of situations and articulating how one's interests, skills, and values align with educational and professional goals.	
	Integrity & Ethics	Making choices and consistently acting in a manner that displays integrity (following internal principles, morals, and values) and ethics (following external laws, rules, and norms) in personal and professional settings.	
	Brand	Demonstrating the continual development of a positive impression or image in every facet of life while seeking feedback from others to ensure congruence between one's intended and perceived reputation.	