Charles D. Crawford III

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SKILLS

Languages(proficient):	C, C#, Java, Python, Ruby, Scala, SQL, Fish Scripting, HTML, CSS
Languages(familiar):	Lua, Scheme, Javascript, MIPS 32, Bash Scripting, x86
Platforms:	Unix(Ubuntu, RHEL), Windows(XP, 7), Mac OS X
Software, Tools, and Misc:	Vim, Eclipse, Visual Studio, Git, Subversion, Team Foundation Server Fish, Bash, GDB, PDB, Valgrind, Make, UML, Asperite, Fl Studio, Linux MultiMedia Studio, LaTeX

EXPERIENCE

Software Development Engineer, Amazon.com, Seattle, WA   Sept 2013 - Present

- Worked in Amazon Web Services Elastic Beanstalk: aws.amazon.com/elasticbeanstalk
- Created, tested, maintained, and deployed AWS services to thousands of Amazon customers
- Worked with all aspects of product: Development, QA, Testing, Deployment, Customer issues
- Individually responsible for major features such as Java 7 and Python 2.7 availability
- Worked in a Unix development environment with several technology stacks (Java, PHP, Node.js, Python, and Ruby)
- Scrum/Agile Based Project Management Experience

Research Programmer, Office of Navel Research, Tucson, AZ   Sept 2012 - Sept 2013

- Worked on Netvue, a real time visualization system: netvue.cs.arizona.edu/index.html
- Ported .NET networking protocols to the JVM with Scala
- Implemented quad tree data structures for network visualization
- Converted data structure library from C to the new C# and .NET based architecture

Software Engineer Intern, Honeywell Aerospace, Tucson, AZ   Aug 2012 - Sept 2012

- Worked on a Make like tool to resolve and evaluate project dependencies.
- Created a Python web scraping tool that built an Excel sheet from the data

Assistant Head Programmer, Valiant Horizons, Riverside, CA   Aug 2011 - Sept 2012

- Free and open source MMO written in C#
- One of the head developers for the game and website
- Trained incoming developers

Co-Founder, RAN Consulting, Phoenix, AZ   Aug 2011 - Aug 2013

- Designed and maintained the company website
- Formulated our services and fees
- Marketed the company in the Phoenix and Tucson area
- Hired and evaluated the abilities of incoming employees

EDUCATION

- B.S. in Computer Science Honors, University of Arizona, Tucson, AZ, May 2013
- 3.789 Magna Cum Laude.
- Minors in Business, Music, and Math
- Thesis: Adjusting Poker AI based on Opponent Strategy

HONORS AND COMMUNITY INVOLVEMENT

- Theta Tau Professional Engineering Fraternity
- Omicron Delta Kappa National Leadership Honor Society
- Phi Eta Sigma and Golden Key Honors Societies
- Zipperman Scholar
- Arizona Assurance Scholar
- Xerocraft and CreatIT Volunteer Programming Instructor