Christopher T. Mitchell

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Skills and Qualifications
- Eight years experience using the latest in Python, HTML, CSS, web standards, Linux.
- Six years with JavaScript, Django. Three years with Java, C. Experience with AngularJS.
- Experience with network security, relational databases, unit testing, and functional and parallel programming.

Practical Experience

Software Engineer at CloudBolt Software   **October 2012–Present**
- Full-stack developer for a cloud management web application (Python, Django, client-side programming)
- Technical lead and designer for a massive UI revamp (LESS, Grunt, Twitter Bootstrap)
- Lead designer and implementer of integration with Puppet, enabling more product sales
- Replaced company website with a more trustworthy and better performing site. Designed content, information architecture, and mobile-friendly approach that better captured target audience and improved company image. (Amazon Web Services, Python, Flask, Gulp, JavaScript, LESS)
- Increased team's efficiency by mentoring others and evolving internal processes to include unit tests, code-reviewed pull requests, and build automation tools

John S. Rogers Science Research Program   **Summer 2012**
- Used Backbone.js and jQuery to start development of game for teaching how to write firewall rulesets
- Coauthored paper on using the n-body problem to teach parallelism to undergraduates

John S. Rogers Science Research Program   **Summer 2011**
- Used Message Passing Interface and Python to parallelize a bioinformatics algorithm
- Lead author for related paper: "Parallelizing Tompa's Exact Algorithm for Finding Short Motifs in DNA"
- Developed materials for teaching introductory CUDA (a language for GPU computing)
- Published a paper on the result of testing the teaching materials in an undergraduate/graduate class

Presenter at the Oregon Academy of Science   **January 2011**
- Presented techniques for implementing the active record design pattern and gave advice for when to use it

Teacher's Assistant for Computer Science Course   **Fall 2010**
- Developed a web application using Flask and SQLite to help me record and publish grades and feedback
- Maintained office hours to assist students in understanding fundamental CS topics
- Students' evaluations of my performance noted my patience and clear communication

SDSU Bioinformatics Internship   **Spring 2007**
- Developed Python program that uses statistical analysis to identify protein binding sites
- Created tools to distribute a DNA analysis program across a Beowulf cluster

Competitions

ACM International Collegiate Programming Contest   **November 2011**
- Placed third out of fifteen 3-person teams by solving programming problems in the Oregon regional

Collegiate Cyber Defense Competition   **March 2011, March 2012**
- Secured Linux servers in an 8-person team in two CCDC Pacific-Rim regionals
- Hardened Apache and SSH configurations, wrote iptables rules, audited user accounts and logs

Education
Lewis & Clark College, Portland OR. Graduated May 2012
B.A., Computer Science & Mathematics
Member of the Pi Mu Epsilon National Mathematics Honorary Society