Andrew J. Roetker

Portland, OR
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Education	B.A. in Mathematics, Reed College, Portland, OR, May 2014 GPA 3.9 in major, 3.81 overall
Thesis	*The State of Process Calculi and Concurrency*

Experience

Software Developer, Puppet Labs, Portland, OR   Summer 2013 - Present
- Authored SQL query and dashboard services for customer data to optimize engineering and marketing strategies
- Authored installer services to improve performance and scalability of Puppet Enterprise applications and customer infrastructures
- Developed the PuppetDB storage service for Puppet data, optimizing schema and queries for scalable performance
- *http://puppetlabs.com, https://github.com/puppetlabs/puppetdb*

Research Assistant, OHSU Jungers Center, Portland, OR   Summer 2012
- Researched, implemented new flourescent probes and cell culture protocols to study CMT disease a peripheral neuropathy
- Optimized transfection and cell-culture conditions for HeLa cells
- *http://www.ohsu.edu/xd/research/centers-institutes/neurology/jungers-center*

Research Assistant, Reed College Biology Dept., Portland, OR   Summer 2011
- Developed experimental measures for stress response in cichlid fry
- Debugged R scripts for microarray statistical analysis
- *http://academic.reed.edu/biology/professors/srenn/*

Computer Skills

Languages:	Bash, Go, Clojure, JavaScript, C, Python, Ruby, R, SQL, Scala
Software:	PostgreSQL, Riak, Docker, Elasticsearch, Puppet Vagrant, Git, LaTeX, STATA

Relevant Coursework

Introduction to Computing	Algorithms and Data Structures
Programing Language Design and Implementation	Topics in Computer Science Systems
Introduction to Physics	Complex Analysis
Probability and Statistics	Multivariable Calculus
Linear Algebra	Real Analysis
Theory and Practice Econometrics	Abstract Algebra

Leadership Activities

Chair and Signator, Reed College ACM* Chapter, Portland, OR   2013
- Preform administrative duties including budget and travel arrangements
- Bring in speakers and organize competition entry

  *Association for Computing Machinery *http://www.acm.org/*

Academic Honors

Phi Beta Kappa
Academic Commendation: Reed College, all semesters
Dean's List: University of Oregon, 2009- 2010
National Honor Society: Central Catholic High School; Portland, OR