# COLIN SCHIMMELFING

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**Swarthmore College - Double major in CS and Astrophysics** - BA - 2010 - GPA 3.4

## WHY ARE YOU READING THIS?

I wish to make a positive difference in the world and I am fortunate that what I find fascinating can be used powerfully towards realizing that goal. You are reading this because you need a competent, enthusiastic, and amenable person to help you push the world towards a better place, and you think I might be right for the job. If that's the case, I'd love to discuss further how we can work together.

## WHAT HAS COLIN BEEN WORKING ON?

**R & D Software Engineer** - *Quantcast, San Francisco, CA*              October 2012 - Present

- ➤ **Won internal hackathon** with a real-time view of QC measurement product, joined the R & D team
- ➤ Took the hacked project to a fully-featured (and very stable) product: **Real-Time Measurement**
- ➤ Operational ownership of R&D **Cassandra Cluster**
- ➤ Worked on the R&D team to create near-real-time data analysis tools using Cassandra

**Production Operations Engineer** - *Quantcast, San Francisco, CA*        September 2011 - October 2012

- ➤ For some of this period of time, was **one of two ops in charge of all data-based operations**
- ➤ Responsible for productionization of adserver integration, client reporting, data analytics, creatives (ad) management, ad billing data pipeline
- ➤ Integral in interviewing and onboarding 3 new team members - led weekly iteration planning

**Java Developer** - *Detica LLC, NetReveal Unit, McLean, VA*              July 2010 - September 2011

- ➤ The **US 'go-to' person** about Java, Linux, System Architectures, Javascript and web development, Oracle tuning, Perl, Tomcat, and Bash
- ➤ Automated, deployed, and optimized a client's data processing pipeline to create an implementation-ready system on a new linux datacenter, working closely with client sysadmins

**System Administrator** - *WSRN & Swarthmore College Computing Society*    January 2008 - July 2010

- ➤ **Directed SCCS senior year**, including acting as liaison to college administration
- ➤ Fully administered web streaming, podcasts, and Django **web presence of campus radio station**
- ➤ Configured and managed a Debian, Mac and PC network with a small student team
- ➤ Maintained a web server that receives views from around the world, mailing lists for all student groups

**Undergraduate Computer Science Researcher** - *Swarthmore College*        June 2009 - August 2009

- ➤ Created a **filesystem residing on the RAM of idle network computers** (paper)
- ➤ Researched distributed systems applications on an HHMI grant, presented research at a convention

## ANYTHING ELSE COOL?

- ➤ Undergrad Astrophysics Exoplanet Research
- ➤ Loves to backpack & camp
- ➤ Fan of dystopian novels
- ➤ Really wants to learn: Go, Mandarin, and the harmonica

- ➤ Taught Python class for non-engineers at Quantcast
- ➤ Just went on a month-long solo trip to India
- ➤ Took 7 years of Latin, thought he was going to major in Classics

## I WOULD LIKE SOME BUZZWORDS, PLEASE.

**Operating Systems:** Linux: RHEL, CentOS, Debian, Ubuntu; OSX; Windows familiarity

**Languages:** Java, Python, Ruby, HTML/CSS, Bash, Javascript, C, SQL, Perl, PHP, SAS

**Frameworks:** REST, Cassandra/Postgres/MySQL/Oracle, Django/Rails/Spring, Flask, Bottle/Sinatra, D3/Bootstrap/Backbone, Puppet/Ganglia/Nagios/RPM