CONTACT INFORMATION	735 Roosevelt Ave Redwood City, CA 94061	russell.r.cohen@gmail.com

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA   June 2013

Computer Science and Engineering (6–3), *GPA:* 4.9/5.0

Relevant coursework:
Distributed Systems Engineering (6.824)	Computer Systems Security (6.858)
Performance Engineering (6.172)	Operating System Engineering (6.828)
TA for Computer Language Engineering (6.035)	Advanced Datastructures (6.851)

WORK EXPERIENCE

Self Employed, Redwood City, CA   Freelance Software Engineer, February 2016 — Present

- Join startups and add velocity to help finish key projects
- Recent Projects:
  + Kubernetes deployment framework / automation library
  + Load testing tool
  + Setup Devops / CI Pipeline (Terraform, Jenkins, Ansible, Nginx, SSL, etc.)
  + Improve system architecture / cleanup tech-debt
  + General feature work (Scala, Python, ReactJS / Redux, Spark)
  + Implement DSL and DSL to Spark compiler

Sumo Logic, Redwood City, CA   Software Engineer Lead, February 2014 — February 2016

- Lead search performance team to improve search latency and throughput
- Developed optimizer for the Sumo Logic query language
- Authored open source ElasticSearch library
- Scala, Java, MySQL, Elasticsearch, Cassandra, Lucene, AWS

Filepicker.io, San Francisco, CA   Principal Engineer, January 2013 — January 2014

- Scaled highly available service to >300QPS while reducing the number of servers required
- Designed and implemented protocol to enable high bandwidth data transfer between sandboxed iOS Apps
- Optimized use of MongoDB, Nginx, Haproxy, uWSGI
- Python, Node.js, iOS / Objective C, MongoDB, Postgres, Haproxy, Nginx, uWSGI, Flask, EC2, S3, Chef, Fabric

Sumo Logic, Mountain View, CA   Software Engineer Intern, Summer 2012

- Worked with team to design / implement continuous query engine capable of processing 1TB data / day on a c1.xlarge
- Designed novel distributed, approximate, streaming algorithms for data processing
- Scala, MapReduce, AWS, Java, Spring, HornetQ

Google, Seattle, WA   Software Engineer Intern, Summer 2011

- Improved search quality and the comment panel user-experience on Chrome Web Store
- Java, Javascript / HTML / CSS, Python, C++, MapReduce

MIT Media Lab, Cambridge, MA   Undergraduate Researcher, October 2010 — May 2011

- Led team of 5 developers to deploy a system to control an installation of 10,000 LEDs on the Harvard Bridge. Project Webpage + Video

SKILLS   Scala, Java, Python, Go, Node.js / ES6 / React, (my/Postge)SQL, MongoDB, Cassandra, Elasticsearch

INTERESTS   rock climbing, paragliding, backpacking, ultimate, cello