

CONTACT  
INFORMATION

735 Roosevelt Ave  
Redwood City, CA 94061

[russell.r.cohen@gmail.com](mailto: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:
  - + 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