

RYAN MITCHELL

ryan.e.mitchell@gmail.com • <http://ryanemitchell.com> • (617) 863-0736 • 60 Piggott Rd Medford, MA 02155

RECENT WORK EXPERIENCE

Senior Software Engineer, HedgeServ
Boston, MA *June 2016 - Present*

- Develop analytics dashboards for hedge fund managers
- Design and implement GraphQL APIs that interface with existing architecture, aggregate data from multiple sources
- Independently developed automated testing framework used across multiple groups within the company

Software Engineer, LinkeDrive Inc.
Boston, MA *Nov 2013 - May 2016*

- Independently developed REST API with Jersey, Hibernate, facilitating agile product launches, faster turnaround
- Turned terabytes of raw XML CAN data from hundreds of semi trucks into meaningful statistics that provide customer insights

Solutions Architect, Velir Studios
Somerville, MA *Dec 2012 - Oct 2013*

- Technical liaison between clients and developers for large, high-budget web projects (Bayer CropScience, Population Reference Bureau)
- Drove client meetings to identify project requirements, risks

Software Engineer, Abine Inc.
Boston, MA *Jan 2012 - Dec 2012*

- Developed advanced Drupal e-commerce site and modules
 - Built web scrapers, auto-faxing and mailing tools
 - Reduced time spent generating customer reports by 85%
-

INTERNSHIPS & COLLEGE EXPERIENCE

- Web Developer, **Harvard University** *Jun 2009 - Aug 2010*
 - Technology Intern, **MITRE Corporation** *Summer 2008*
 - Intern, **RotorWay International** *Summer 2007*
 - Intern, **Microsoft Corporation** *Summer 2006*
 - Research Labs Intern, **Sun Microsystems** *Summer 2005*
-

CURRENT TECHNOLOGIES

Languages: Java, Python, C, PHP, JavaScript, Bash, R
Software: Github, AWS, Apache, Tomcat, Kibana, Redis, Mongo
Other: SQL, HTML, CSS, GraphQL, JMS (Sonic, Rabbit)

VOLUNTEER WORK

Wall of Sheep, DEF CON *Summer 2017*

- Developed "Honey Pot Challenge" with team of four network engineers, featured in DEF CON guide
- Project expansion planned for 2018

Boston Museum of Science *Aug 2013 - Present*

- Sunday volunteer in "Tech Studio" department
- Teach mechanics, design, electrical and software engineering

EDUCATION

Masters, Software Engineering Certificate, Data Science *2016*
2018
Harvard University Extension School

Bachelors, Engineering *2011*
Olin College of Engineering

PUBLICATIONS

Web Scraping with Python 2nd Edition
O'Reilly Media *Expected Mar 2018*

Web Scraping with Python
O'Reilly Media *Jun 2015*

Instant Web Scraping with Java
Packt Publishing *Aug 2013*

Olingua Franca: Creating Secure Networked Control Systems
Olin College Senior Project *May 2011*

SPEAKING

DataDay, Austin TX *Jan 2016*
"Spelunking the Web with Python"

DataDay, Austin TX *Jan 2017*
Wall Of Sheep, DEF CON *Aug 2016*
DataDay, Seattle WA *Jun 2016*
"Crawling the Web for APIs"

DEF CON, Las Vegas NV *Aug 2015*
"Separating the Bots from the Humans"

DataDay, Seattle WA *Jun 2015*
"Web Scraping with Python"

TEACHING

Northeastern College of Professional Studies *Fall 2017*
Consultant, IT course redesign

Olin College of Engineering *Spring 2017*
Data Science with Python

Data Day Texas *Jan 2017*
Workshop: Web Scraping with Python

Boston Public Library *Fall 2016*
Web Development

PyLadies Boston *Sept 2015*
Workshop: Web Scraping