

RYAN MITCHELL

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RECENT WORK EXPERIENCE

Senior Software Engineer, HedgeServ Corporation

Boston, MA *June 2016 - Present*

- Develop analytics tools to track hedge fund transactions, serving \$350B assets under administration for 210 clients
- Design and implement GraphQL and REST APIs that interface with existing architecture, aggregate data from sources across company
- Independently developed Selenium + Behave testing framework used by multiple groups within the company

Software Engineer, LinkeDrive Inc.

Boston, MA *Nov 2013 - May 2016*

- Developed flexible internal REST API with Jersey, Hibernate
- Worked with front end developer to create analytics dashboard system with user-defined shareable widgets, visualizations
- 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*

- Liaison between clients and devs for high-budget web projects
- 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%
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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*
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CURRENT TECHNOLOGIES

Languages: Java, Python, C, PHP, JS/Node, Bash, R

Software: Github, AWS, Apache, Tomcat, Kibana, Redis, Mongo

Other: SQL, HTML, CSS, GraphQL, JMS (Sonic, Rabbit)

VOLUNTEER WORK

Wall of Sheep Staff Member, DEF CON *Apr 2017 - Present*

- Develop and run "Honey Pot Challenge" with team of engineers
- Assist with other projects, as needed

Weekly Volunteer, Boston Museum of Science *Aug 2013 - Present*

- Run afternoon activities in "Tech Studio" department
- Teach mechanics, design, electrical and software engineering

EDUCATION

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

Bachelors, Engineering *2011*
Olin College of Engineering

PUBLICATIONS

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

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

Instant Web Scraping with Java
Packt Publishing *Aug 2013*

SPEAKING

DataDay, Austin TX *Jan 2017*
Wall Of Sheep, DEF CON *Aug 2016*

DataDay, Seattle WA *Jun 2016*
"Crawling the Web for APIs"

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

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

Olin College of Engineering *Spring 2017*
14 week course "Data Science with Python"

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

Boston Public Library *Fall 2016*
8 week course "Web Development"

PyLadies Boston *Sept 2015*
Workshop: Web Scraping