

# RYAN MITCHELL

ryan.e.mitchell@gmail.com • (617) 863-0736 • 60 Piggott Rd Medford, MA 02155

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## WORK EXPERIENCE

### Senior Software Engineer, Gerson Lehrman Group

*Jan 2019 - Present*

- Created neural network to predict expert engagement with project
- Developed AI models that extract main topics of project text

### Senior Software Engineer, HedgeServ Corporation

*June 2016 - Jan 2019*

- 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.

*Nov 2013 - May 2016*

- Developed flexible internal REST API with Jersey, Hibernate
- Worked with front end developers to create analytics dashboards
- Turned terabytes of raw XML CAN data from hundreds of semi trucks into meaningful statistics that provide customer insights

### Solutions Architect, Velir Studios

*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.

*Jan 2012 - Dec 2012*

- Built web scrapers, auto-faxing and mailing tools
  - Reduced time spent generating customer reports by 85%
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## EDUCATION

### Masters, Software Engineering Certificate, Data Science

2016  
2018

Harvard University Extension School

### Bachelors, Engineering

2011

Olin College of Engineering

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## VOLUNTEERING

### Staff Member, Wall of Sheep, DEF CON

*2017 - Present*

- Develop and run CTF-style "HoneyPot Challenge"
- Lead honeypot workshop for ~200 attendees during DEF CON

### Weekly Volunteer, Boston Museum of Science

*2013 - 2019*

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

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## SPEAKING ENGAGEMENTS

### **Crawling the Web for APIs**

DataDay, Austin TX

*Jan 2017*

Wall Of Sheep, Las Vegas NV

*Aug 2016*

DataDay, Seattle WA

*Jun 2016*

### **Spelunking the Web with Python**

DataDay, Austin TX

*Jan 2016*

### **Separating the Bots from the Humans**

DEF CON, Las Vegas NV

*Aug 2015*

### **Web Scraping with Python**

DataDay, Seattle WA

*Jun 2015*

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## TEACHING

### **Consultant**

*Fall 2017*

Northeastern College of Professional  
Studies

Redesign for three IT courses

### **Adjunct Professor**

*Spring 2017*

Olin College of Engineering

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*