

# Ben Muschol - New Grad Software Engineer

http://benmusch.com

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## EDUCATION

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### Northeastern University

*Bachelor of Science in Computer Science; GPA: 3.64*

Boston, MA

*Sep. 2014 – Jun. 2019*

## EXPERIENCE

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### Airbnb

*Software Engineer*

- Incoming Software Engineer

San Francisco, CA

*Aug 2019*

### Northeastern University

*Teaching Assistant - Web Development (CS4550)*

- **Responsibilities:** Taught and graded web development work using Elixir, Phoenix, JavaScript and React
- **Awards:** 2019 Khoury Teaching Scholar

Boston, MA

*Sep 2018 - Dec 2018*

### Amazon

*Software Development Engineer Intern*

- **Front-End Development:** Developed front-end components for mobile and desktop retail application
- **Back-End Services:** Refactored back-end services to improve performance and usability
- **Technologies:** Java, JavaScript, Spring, jQuery, CSS

Seattle, WA

*Jun 2018 - Aug 2018*

### HubSpot

*Software Engineering Co-op*

- **Kafka/Zookeeper Operations:** Maintained and automated operations tasks for high-volume Kafka and Zookeeper clusters
- **GDPR:** Developed automation and APIs to manage persisted Kafka data for GDPR compliance
- **Technologies:** Java, Kafka, Zookeeper, MySQL, Puppet, Ansible

Boston, MA

*Jan 2018 - Jun 2018*

### Codeship

*Software Engineering Co-op*

- **Front-End Development:** Developed new front-end, migrating from CoffeeScript and jQuery to Vue, ES6 and Jest
- **Performance Monitoring:** Optimized performance of web endpoints and database queries
- **Back-End Development:** Developed new features on Ruby-on-Rails application. Added a new notification management system and migrated 100k accounts to a more flexible schema
- **Technologies:** Ruby/Rails, JavaScript/Vue, Jest, Go, Bash, Docker, Postgres

Boston, MA

*Jan 2017 - Aug 2017*

### RetSKU

*Software Engineering Co-op*

- **Web Application:** Integrated 3rd-party APIs into Ruby-on-Rails web application
- **Scraping:** Developed web crawlers to collect data from retail websites
- **Technologies:** Python, Scrapy, Ruby/Rails

New York, NY

*Jan 2016 - Aug 2016*

## PROJECTS

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- **MIT-Tab:** Django-based application to tabulate debate tournaments. Used by 100s of debaters every week
- **MIT-Tab Deployer:** One-click deployments, back-ups, and invoicing of the MIT-Tab application.
- **Multi-Translator:** Serverless app + Vue front-end to run phrases through multiple languages in Google Translate
- **CourseOff RateMyProfessor:** Chrome extension + Express.js service to display RateMyProfessor in CourseOff

## PROGRAMMING SKILLS

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- **Languages:** Python, Ruby, Java, JavaScript, Elixir, C, SQL, Bash
- **Frameworks:** Rails, Flask, Django, Vue, React, Express
- **Other Technologies:** AWS (S3, EC2, Lambda), Kafka, Zookeeper, Docker, Linux