

# Benjamin Muschol

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Available Jan. – June 2017

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## EDUCATION

**Northeastern University**, Boston MA

Sep. 2014-2019

College of Computer and Information Science

**GPA 3.64/4.0**

Relevant courses: Object Oriented Design, Algorithms and Data Structures,  
Database Design, Embedded Systems, Theory of Computation

Honors/Activities: Dean's List, Dean's Scholarship, Honors Program, Debate team (Member at Large)

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## COMPUTER KNOWLEDGE

**Languages:** Ruby, Python, Java, SQL, HTML, CSS, Javascript, C, Racket (Scheme)

**Frameworks:** Rails, Scrappy, RSpec, Django, React.js, Bootstrap, JUnit, JavaFX

**Software:** MySQL, Postgres, Vim, Git, MongoDB, Atom, JetBrains IDEs, Adobe Creative Suite

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## EXPERIENCE

**RetSKU**, New York, NY

Jan. 2016-Aug. 2016

**Software Engineering Intern**

- Developed web scrapers to gather data from retailers' web sites and APIs
- Integrated 3<sup>rd</sup>-party APIs into Rails back-end
- Created API endpoints for a mobile app back-end and internal usage
- Expanded test coverage of Python and Ruby projects
- Built automated QA and database maintenance systems

*Technologies: Ruby, Rails, Python, Scrappy, RSpec, Postgres, Git*

**Computer Mentors**, Tampa, FL

Summer 2015

**Web Design Mentor**

- Taught web development using HTML, CSS and WordPress to students ages 14-16

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## PROJECTS *(SEE MORE AT [BENMUSCH.GITHUB.IO/PROJECTS](https://benmusch.github.io/projects))*

**SCOTUS Laughter**

Summer 2016

[https://www.github.com/BenMusch/scotus\\_laughter](https://www.github.com/BenMusch/scotus_laughter)

Scrapes PDFs from [supremecourt.gov](https://www.supremecourt.gov), tweets and updates the JSON API when laughter is in the transcript.

*Technologies: Python, Flask, Scrappy, Celery, React, Sqlite, HTML, CSS, Twitter API*

**MIT-Tab**

May 2016

<https://www.github.com/BenMusch/mit-tab>

Added e-balloting to MIT-Tab, an open-source web app for running debate tournaments.

*Technologies: Python, Django, HTML, JavaScript*

**NU Casebook**

Summer 2015

<https://www.github.com/BenMusch/nu-casebook>

Web app to track historical data about the topics that the Northeastern debate team debates.

*Technologies: Ruby/Rails, HTML, CSS/SASS, Bootstrap, Postgres, Heroku*

**ScrapingHub to Command Line**

June 2016

<https://www.github.com/BenMusch/scrapinghub-to-cl>

Chrome extension for ScrapingHub.com to convert terminal commands to jobs and vice versa.

*Technologies: JavaScript/ES6, HTML, CSS*

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## INTERESTS

Public policy, cooking, running, tennis, hip-hop, soccer, podcasts