

# Benjamin Muschol

[benmusch.github.io](https://benmusch.github.io) • [muschol.b@husky.neu.edu](mailto:muschol.b@husky.neu.edu) • (813) 469 0382

Local: 401 1<sup>st</sup> Ave #21G, New York, NY 10010

Permanent: 13720 Halliford Dr, Tampa, FL 33624

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,  
Fundamentals of Computer Science 1 & 2, Calculus 1 & 2

Honors: Dean's List, Dean's Scholarship, Honors Program

Activities: NU Debate Society (Member at Large)

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## COMPUTER KNOWLEDGE

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

**Frameworks:** Rails, Bootstrap, Junit, RSpec, Scrappy, Django, JavaFX

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

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

### DebateMate Admin App

In Progress

<https://www.github.com/BenMusch/debatemate-admin>

Web app to help DebateMate USA manage their volunteers

To be added: Typeform integration for survey data, Twilio integration for notifications

*Technologies: Ruby/Rails, RSpec, HTML, CSS/SASS, MongoDB, Heroku*

### MIT-Tab

May 2016

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

Added e-balloting system 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 about

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

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## EXPERIENCE

**RetSKU**, New York, NY

Jan. 2015-Aug. 2015

### 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 to improve coverage of product searches
- Created API endpoints for a mobile app back-end and internal usage
- Expanded test coverage of Python and Ruby projects
- Developed scripts and web UIs to automate QA and database maintenance tasks

*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
- Held meetings between clients and students about the projects the students developed