

# 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 July – Aug. 2016

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## EDUCATION

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**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, Networks and Distributed Systems, Theory of  
Computation, Fundamentals of Computer Science 1 & 2

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

Activities: Tastemakers Magazine (Design Staff), NU Debate Society (Vice  
President of Administration)

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## COMPUTER KNOWLEDGE

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

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

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

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## PROJECTS

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**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*

**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*

**Puppy SCOTUS**

In Progress

<https://www.github.com/BenMusch/puppy-scotus>

Script that generates a video of Supreme Court oral arguments using the John Oliver's  
videos of dogs playing Supreme Court justices via information on oyez.com

To be added: Flask back-end to upload videos to YouTube, React front end

*Technologies: Python, moviepy*

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## EXPERIENCE

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**RetSKU**, New York, NY

Jan. 2015-June 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
- Improved QA by expanding test coverage on Python and Ruby projects as well as writing scripts to automate QA 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
- Conducted weekly meetings between clients and students about the projects the students developed