Benjamin Muschol

benmusch.github.io • muschol.b@husky.neu.edu • (813) 469 0382
3 Warwick St. #2, Roxbury, MA 02120

EDUCATION

Northeastern University, Boston MA   Sep. 2014-2019
College of Computer and Information Science   **Major GPA 3.64/4.0**

Relevant courses:	Object Oriented Design, Algorithms and Data Structures, Database Design, Computer Systems, Theory of Computation
Honors/Activities:	Dean's List, Dean's Scholarship, Honors Program, Debate team (President)

TECHNICAL SKILLS

Languages: Ruby, Python, JavaScript, Go, C/C++, Bash
Frameworks: Rails, Flask, Django, Vue.js/Vuex, Scrapy, Express
Software: Postgres, Docker, Git, Terraform, Chrome Developer Tools & APIs, Redis, MongoDB, Vim

EXPERIENCE

Codeship, Boston, MA   Jan. 2017-Aug. 2017
Software Engineering Intern

- Developed new front-end, migrating from jQuery & Coffeescript to Vue, Jest and ES6
- Optimized application performance on the client, server and database with monitoring tools
- Refactored notification and integration system to be easily configurable by users
- Migrated 100k accounts to a more flexible account management structure
- Maintained Go- and Ruby-based application systems

Technologies: Ruby, Rails, Vue.js, Vuex, RSpec, Jest, Go, Docker, Postgresql

RetSKU, New York, NY   Jan. 2016-Aug. 2016
Software Engineering Intern

- Developed web scrapers to collect data from retail web sites and APIs
- Integrated 3rd party services and developed API endpoints on rails application

Technologies: Python, Scrapy, Ruby, Rails, RSpec, Postgres

PERSONAL PROJECTS *(SEE MORE AT BENMUSCH.GITHUB.IO/PROJECTS)*

Hotdog or Not Hotdog as a Service *github.com/BenMusch/honhaas*
API for classifying images as a hotdog or not hotdog.
Technologies: Python, Tensorflow, Flask, Heroku

MIT-Tab Deployer *github.com/BenMusch/mittab-deploy*
Web app to automatically deploy servers running the mit-tab application with custom subdomains for each
application instance. Integrates with GitHub to spin up staging servers automatically.
Technologies: Docker, Python, Bash, Flask, Digital Ocean, GitHub API

jolynch/MIT-Tab (Official maintainer) *github.com/jolynch/mit-tab*
Official maintainer of open-source web application for running debate tournaments.
Contributions include: Dockerizing the app, integrating end-to-end tests, upgrading from
Django 1.6 to 1.11, and other user-facing features to improve tournament efficiency
Technologies: Python, Django, Docker, HTML, Selenium, Sqlite

NU Tab *github.com/BenMusch/nu-tab*
Web application to run debate tournaments using the minimum weight matching
algorithm. Front-end in-progress, back-end complete
Technologies: Ruby, Rails, Postgres, Redis

INTERESTS

Soccer, running, tennis, cooking, podcasts, effective altruism