Benjamin Muschol

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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, Chrome Developer Tools & APIs, Redis, Git, 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 using client- and server-side monitoring tools
- Refactored notification and integration system to be easily configurable by users
- Worked to develop and API-layer of the main web application to configure accounts and projects
- Maintained Go and Ruby based application systems

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

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

- Developed web scrapers to collect data from retail web sites and APIs
- Maintained Rails app by integrating 3rd party services and developing API endpoints

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

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

NU-Tab *github.com/BenMusch/nu-tab*
Web application for tabulating debater tournaments using minimum-weight perfect matching algorithm (front-end incomplete, back-end finished)
Technologies: Ruby, Rails, JS/ES6, React, Redux, React, Redis, Postgres, Webpack, AWS S3

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

MIT-Tab Deployer *github.com/BenMusch/mittab-deploy*
Web app to automatically deploy servers running the mit-tab application with dynamic subdomains for each application instance, with a PayPal integration to cover infrastructure costs. Integrates with GitHub to spin up staging servers for each pull request on jolynch/mit-tab and to automatically update its own server on deploys to master
Technologies: Docker, Nginx, Python, Flask Digital Ocean, GitHub API, Gunicorn

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, HTML, JavaScript, Apache, Bash, Selenium, Sqlite