


Hayden Wolff

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Experiences

IBM—Watson Data and AI Security Engineering Intern, *Durham NC*

May 2019 - August 2019

- Automated container security for Data and AI DevOps with Kubernetes
- Programmed a tool to report findings of Vulnerability Advisor Scanning, operating on container images
- Introduced new ways to automate communication with 16 Watson Teams to reduce their vulnerabilities

Tufts University— Data Structures TA, *Medford MA*

September 2018 - Current

- Led a weekly lab, held office hours, and graded homework/exams
- Worked alongside course professor to create and improve homework assignments

Netifi— Software Engineering Intern, *San Francisco CA*

June 2018 - August 2018

- Implemented framing for reactive services software to optimize load balancing over standard network transports (Proteus)
- Rewrote Proteus' Java framing into C++ based on RSocket to serialize/deserialize metadata

Girls Who Code— Club Founder and Summer Immersion Student, *San Jose CA*

December 2015 - June 2017

- Founded a school Girls Who Code club, recruited a Google engineer to teach every weekend, planned lessons for each session, and organized field trips/speakers
- Attended selective 8 week summer program at Adobe Software to learn and receive mentorship from engineers and produce a final project to help people learn mindfulness skills

Education

Tufts University School of Engineering— BS Computer Science (Expected 2021), *Medford MA*

September 2017 - Current

- **Relevant coursework:** Programming Languages, Machine Structure and Assembly Language, Web Programming, Teaching Computer Science, Data Structures, HCI, Discrete Mathematics, Computational Design, Intro to Computer Science
- **Overall GPA:** 3.58/4.00, **Major GPA:** 3.96/4.00

Skills

Programming: C++, Golang, Python, C, JavaScript, Github, Kubernetes, Unix, NodeJS, Express, MongoDB, Heroku

Graphic Design: Blender, Photoshop, inDesign, Illustrator

Activities/Interests

Tufts Club Rugby

Team Q Leader: LGBTQ+ mentor for transgender students

Side Projects

- **Jumbo Juke:** Created a music recommendation service based on a variety of music parameters (I.e. danceability, acousticness) using the Spotify API, MongoDB, and NodeJS. Link: <https://jumbo-juke.herokuapp.com/>
- **Symetrics:** Built a sentiment analyzer for Twitter searches with Watson services, Angular, and Flask. Link: <https://github.com/haydeniw/ibm-hackathon>
- **Arm controlled by glove and joystick:** Constructed a 3D printed hand with individual finger joints controlled by input from human hand in glove and arm/wrist joints controlled through a joystick. Link: <https://github.com/haydeniw/robotic-arm>