

Austin Ward

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EDUCATION

BACHELORS OF SCIENCE, COMPUTER SCIENCE
Binghamton University, Watson School of Engineering
Relevant Coursework: Machine Learning, Compilers, Advanced OOP, Systems Programming, Programming Languages, Design and Analysis of Algorithms, Theory of Computation, Operating Systems

SKILLS

Languages: Python, Golang, C++, Java, JavaScript, C
Technologies: MongoDB, Web, Flask, Node.js
Frameworks: Spring Boot, Express, Bootstrap
Tools: Vim, Git, Nginx, Pandas

DISTINCTIONS

Communication: Observer, Receptive to criticism
Quality: Maintainable code, Rigorous testing

LEADERSHIP

HackBU, Binghamton Hackathon Community
Co-Director
September 2017 - May 2018

- Managed all organizers to collaborate with potential sponsors, organize weekly workshops, and market hackathon using social media outlets
- Raised more than \$22,000
- Allocated funds to stay within budget for food, signage, swag, prizes, toiletries, photographers and discretionary day-of costs
- Assisted hackers throughout event to resolve and understand bugs in their code

VOLUNTEERING

Low Syndrome Foundation
Full Stack Developer
May 2016 - Current

- Designed and developed a mobile-friendly website to increase user experience and readability
- Configured a reverse proxy nginx server with SSL, allowing integration of Stripe for donations
- Maintain uptime of website and integrate new features when requested

EXPERIENCE

SOFTWARE ENGINEER

Capital One

July 2018 - Current

- Develop Spring Boot based RESTful API to support small business bank in creation/update and retrieval of small business accounts
- Create CI/CD parallelized pipeline with Jenkins for automated PR, QA and PROD builds
- Automate Regression tests using Selenium
- Support 500,000+ small business customers

SOFTWARE ENGINEERING INTERN

Viacom Inc.

May 2017 - August 2017

- Designed interaction model for displaying automation of TV platform devices (e.g. Roku, Apple TV, etc.) on a grid of output screens
- Developed a python module tunneling solution for interacting with the HDMI matrix
- Built an API to interact with wrapper through a web interface, an Alexa skill and an iOS app

PRODUCT MANAGEMENT INTERN

Zebra Technologies

May 2015 - August 2015

- Updated MC3200 RF gun design and specifications resulting in a more compact and adaptable product
- Organized product catalog to achieve faster response time to all customers

PROJECTS

Diabetic Retinopathy Detection, Team of four Jan. 2018
Built with: pandas, numpy, PIL, glob

- Built a neural network using no external machine learning libraries to determine the severity of diabetic retinopathy using a set of retina images
- "Best Civic & Humanitarian Open Source Hack"

Sealify.me

, Team of four

Mar. 2016

Built with: Node.js, AngularJS, Bootstrap, Keybase, bcrypt, MongoDB, Redis, Let's Encrypt

- Built a web app for secure emails applying gpg public and private keys using encryption
- "Best use of Encryption" and "Best Reverse Engineering Hack"