Austin Ward

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EDUCATION

BACHELORS OF SCIENCE, COMPUTER SCIENCE
Binghamton University, Watson School of Engineering
Expected May 2018
GPA: 3.00
Relevant Coursework: Design and Analysis of Algorithms, Theory of Computation, Operating Systems, Compilers, Systems Programming, Advanced OOP, Machine Learning, Programming Languages

SKILLS

Languages: Python, JavaScript, C++, C, Java, Swift
Technologies: MongoDB, Web, TCP/IP, LATEX
Frameworks: Node.js, Express, Bootstrap
Tools: Vim, Git, Nginx, Xcode, pandas

DISTINCTIONS

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

LEADERSHIP

HackBU, Binghamton Hackathon Community
Co-Director
September 2017 - February 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

Lowe Syndrome Foundation
Web Developer
May 2016 - August 2016
❏ 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

EXPERIENCE

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 the wrapper through various means, including a web interface, Alexa skill and 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, ejs, Bootstrap, Keybase, Google-compute-engine, 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"

Banking Simpatico, *Team of two* Sept. 2015
Built with: Python, Flask, Capital One Nessie API, Priceline API, D3.js Library, Google Material Design Framework
❏ Implemented intelligent travel suggestions by using Capital One's API to account for rewards such as cashback and miles
❏ Placed top ten and awarded "Best Use of Capital One API"