

# Austin Ward

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## EDUCATION

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

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## SKILLS

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

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## DISTINCTIONS

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

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## 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

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## 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

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## 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 all small business customers through API

### 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

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## 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

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"