

Austin Ward

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EDUCATION

Binghamton University, Thomas J Watson School of Engineering and Applied Science

Bachelors of Science, Computer Science

May 2018

Courses: Machine Learning, Compilers, Advanced OOP, Systems Programming, Programming Languages, Design and Analysis of Algorithms, Theory of Computation, Operating Systems

Certification: AWS Solutions Architect Associate (2019-2022)

EXPERIENCE

Capital One

Senior Data Engineer, Enterprise Customer Intelligence

January 2020 - Present

- Building a feature store with data-lineage to scale ML projects within Capital One
- Automate Cassandra rehydration, previously a 36-hour manual task
- Maintain and expand the digital customer insights platform

Data Engineer, Enterprise Customer Intelligence

August 2019 - January 2020

- Developed real-time clickstream data pipeline to handle 400 million events per day using Kafka, Zookeeper, and Flink
- Utilized Infrastructure as Code through CFTs to standardize components and automate infrastructure deployment
- Reduced static/composition analysis scan from ~7 hours to ~5 minutes for multiple repositories

Software Engineer, Small Business Bank

July 2018 - August 2019

- Developed and pushed to production three microservice APIs while maintaining three legacy APIs
- Created documentation for cross-region technical recovery and conducted validation exercises
- Automated deployment to multiple environments through parallelized Jenkins pipelines
- Implemented component/integration tests for success/error scenarios and maintained a greater than 90% code coverage

PROJECTS

Diabetic Retinopathy Detection

- Built a neural network in python without ML libraries to determine the severity of diabetic retinopathy
- Rewarded Best Civic & Humanitarian Open Source Hack

GopherBadger

- Contributed tag specification for unit tests when generating a golang code coverage badge

VOLUNTEER

Lowe Syndrome Foundation, Full Stack Developer

May 2016 - Present

- Developed frontend/backend of lowesyndromefoundation.org
- Integrate with Stripe to accept donations

HackBU, Binghamton University Hackathon Community

Co-Director

September 2017 - May 2018

- Directed organizers to collaborate with potential sponsors, organize weekly workshops, and market hackathon using social media outlets

SKILLS/INTERESTS

Languages: Python, Golang, Java, Rust, C++, JavaScript

Technologies: Spring, React, Jenkins, Docker, Pandas

Misc. Interests: Bouldering, Reading, Home Automation, Cubing, Travel