

DAVID V. MILASKY

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EDUCATION

BACHELOR OF SCIENCE: COMPUTER SCIENCE ENGINEERING
Ohio State University, State University of Ohio - College of Engineering
GPA: 3.76 / 4.0

May 2022

SKILLS

- Fluent in Java, C, Python, JavaScript
- Linux
- Atlassian products (JIRA, Confluence, Bitbucket)
- Agile development methodologies
- Synchronization
- API design
- Web applications
- Amazon Web Services
- SQL
- DevOps

EXPERIENCE

CAPITAL ONE

Software Engineering Intern

June 2021 to August 2021

- Developed and deployed new Node.js application to AWS Lambda instance to support requests for AWS Connect data
- Retrieved and processed data from AWS into desired format and stored data with 6-hour time-to-live attribute in DynamoDB to prevent staleness
- Supported download feature to convert data into excel spreadsheet to allow users to sift through data in an intuitive way
- Developed RESTful API endpoints and business logic to support them for consumers to use to retrieve data for filtering
- Utilized in-house CI/CD Jenkins pipeline to deploy to multiple development and production environments
- Wrote test cases and utilized Chai and Sinon mocked network calls to ensure quality code was delivered

BATTELLE MEMORIAL INSTITUTE

Software Engineering Intern

January 2021 to May 2021

- Developed mission critical HD video streaming application to allow android tablets to render live video in real time
- Designed and created user interface to allow users to access camera zoom and focus functionality
- Wrote C code to accept zoom and focus commands from tablet systems and send to specified camera over TCP
- Utilized H.263 video compression over RTSP protocol
- Developed python simulation application to simulate serial communications between two hardware devices
- Provisioned custom boards with Das U-Boot to boot in-house version of Linux OS
- Converted python application from WebSocket communication to serial communication

DYNAMIX ENERGY

Software Engineering Intern

October 2020 to December 2020

- Developed and maintained features and functionality on full scale React web application
- Wrote JavaScript code to implement new feature to allow customers to sell/schedule energy reductions to power grid
- Wrote Java code to implement new feature within Niagara framework to allow users to schedule building maintenance

CAPITAL ONE

Software Engineering Intern

June 2020 to August 2020

- Deployed containerized docker web application to AWS EC2 instance and through Jenkins CI/CD pipeline
- Used Python/Flask framework to develop a health dashboard app that provided critical metrics and alerts on petabyte-sized data flow network
- Calculated data rates and other useful thresholds to ensure consistent delivery of cyber security data through the network
- Organized daily meetings after stand-ups to ensure all team members shared knowledge and discussed strategy
- Participated on a scrum team and ensured adequate documentation of work done within stories and epics in JIRA

HONEYWELL

Software Engineering Intern

June 2019 to August 2019

- Developed time-sensitive building control software features that rivaled competitor products (Niagara framework)
- Wrote Java functionality that allowed for older building control systems to integrate their data into the same SQL database used by newer software (Logic One Integration Project)
- Presented work to product owner and helped move team closer towards an on-time release
- Participated in daily scrum team meetings and collaborated with team members to ensure quality code delivery
- Deployed modular software to Dockerized container within automated CI/CD pipeline
- Converted 15-year-old legacy code to adjust for updated Niagara API's