ODELL BLACKMON, III

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Education

Carnegie Mellon University   **May 2022**
Bachelor of Science in Computer Science   *Pittsburgh, Pennsylvania*

Relevant Coursework

- Algorithms & Data Structures
- Parallel Analysis
- Functional Programming
- Computer Systems
- Parallel Computing
- Data Science
- Machine Learning
- Computer Architecture
- Cybersecurity

Experience

Oracle Cloud Infrastructure   **July 2022 – Present**
Software Engineer   *Seattle, Washington*

- Optimized virtual machine launch times by 60%
- Increased available memory capacity by resolving a long standing memory wipe bug
- Recovered 20% of the fleets memory by implementing a log rotation strategy
- Decreased time spent investigating on call issues by automating faulty firmware detection

Oracle Cloud Infrastructure   **May 2021 – August 2021**
Software Engineer Intern   *Remote*

- Reduced downtime for hot plugging CPUs on virtual machines using QEMU from tens of seconds to milliseconds
- Designed and implemented a REST API endpoint for ease of CPU hot plugging using Java
- Advanced the security of the codebase by resolving vulnerabilities

VMWare   **May 2020 – August 2020**
Software Engineer Intern   *Remote*

- Constructed a potential IoT device classification system in Python that was incorporated into Nyansa's product
- Leveraged ElasticSearch, Python, and Ruby to classify potential IoT devices on Nyansa monitored networks
- Automated IoT device rule creation by creating benchmarks for what makes a good IoT cluster

Projects

Apple Music Playlist Converter | *HTML, CSS, Javascript, Flask, Redis, Docker, Heroku*   **August 2023**

- Built a website that converts Apple Music Playlists to Spotify playlists
- Leveraged HTML, CSS, and Javascript for the front end interface
- Deployed a backend service using Flask, Redis, Docker, and Heroku

Email 2FA Chrome Extension | *HTML, CSS, Javascript, NodeJS, Redis*   **July 2022**

- Developed a Google Chrome Extension which forwards email 2FA codes to users
- Leveraged HTML, CSS, and Javascript for the front end interface
- Deployed a backend service using NodeJS, Redis, and Chrome Extension API

Ethereum Charity Decentralized Application | *Solidity, Truffle, Javascript*   **December 2021**

- Created an Ethereum smart contract on the Ropsten test network which functioned as a decentralized charity
- Designed a web interface using HTML, CSS, and Javascript and hosted it on Heroku
- Developed the smart contract using Solidity and tested it using Truffle

Reddit to Video Converter | *Selenium, Python, NodeJS*   **December 2021**

- Developed an automation tool which scrapes a subreddit for its most popular post and then converts it to a video with voiceover audio
- Utilized Selenium for web scraping and navigation
- Parsed web data and assembled the video with NodeJS and Python

Technical Skills

Languages: Python, Java, C, C++, HTML, CSS, JavaScript, Solidity, SQL, Bash
Developer Tools: Jira, Github, VS Code, Intellij, Vim, AWS, Google Cloud Platform, Heroku, DigitalOcean
Technologies/Frameworks: Maven, React, Linux, Docker, Git, WordPress, Selenium, Truffle