MICHAEL ACOLATSE

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Permanent Address:
15588 Fancy Farm Court, Manassas, VA 20112

EDUCATION

University of Virginia **Charlottesville, VA**
Candidate for BS in Computer Science *2023*
Current GPA: 3.813
Relevant Coursework: Software Development Methods, Program and Data Representation, AP Computer Science A, Data Structures and Algorithms, Theory of Computation, Computer Architecture, Advanced Software Development

WORK EXPERIENCE

Lyft **San Francisco CA (Remote)**
Software Engineer Intern *June 2021 – August 2021*

- Developed an internal tool that helped analysts fight fraud on the Lyft platform in a more efficient way
- The tool would take in input related to tackling fraud which would be sent to a separate backend service which ran a series of validations. Then the backend service will send the results of those validations back to the frontend for it to be displayed back to the user.
- Implemented the frontend with ReactJS and the backend with Python
- Designed, implemented and deployed the tool to production

Digital Capital Solutions **Washington DC**
Software Engineer Intern *July 2020 – Current*

- Developed a social media application using React Native for the frontend and Firebase as the backend. Utilized third party login authentication.
- Worked on frontend mobile development to design and develop a mobile application for townships
- Developed and refactored designed mock-ups into code to then integrate into the main application using React Native and Git.
- Investigated and recommended different search engines to integrate into the main mobile app platform

TECHNICAL SKILLS

Tools and Frameworks

- Eclipse, Emacs, Jgrasp, MS Visual Studios, Unit Testing, Django, Unix, React JS, React Native, Firebase

Languages

- Advanced: Java, C++, Python
- Proficient: HTML, JavaScript, TypeScript
- Novice: CSS, Assembly(x86), Shell Script, Makefile, MATLAB, MIPS, Markdown

Concepts

- Object Oriented Programming, Abstract Data Types, Sorting Algorithms, Data Structures, Time-Space Complexity, Concurrency, Memory allocation, I/O, File Input.

Personal Projects: https://github.com/mikeaco

- Created a Sorting Visualization webpage which compares different sorting techniques using React JS
- Created a Pathfinding Visualization webpage using React JS. (Also includes a maze generating algorithm)
- Created an image inverter and pixelater using HTML, CSS and JavaScript.
- Created a Sudoku Solver which includes a visual animation of the backtracking algorithm using Java.
- Developed a UVA campus map website with 3 other students as a school project using Django (Python MVC framework) and Postgres (Database) and deployed it to Heroku: https://b03-campusmap.herokuapp.com/
- Built a personal portfolio in HTML/JavaScript and deployed to GitHub-pages: https://mikeaco.github.io/Portfolio

Interest: Artificial Intelligence, Machine Learning, Traveling, Back-End Software Engineering, Front-End Software Engineering