

# MICHAEL ACOLATSE

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Manassas, VA

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## EDUCATION

### University of Virginia

Candidate for BS in Computer Science

Current GPA: 3.757

**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

Charlottesville, VA

2023

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## WORK EXPERIENCE

### Google

Software Engineer Intern

Kirkland WA (Remote)

May 2022 – August 2022

- Developing a broadcasting notification system for an internal chrome extension made for other software engineers using Java for the backend and Typescript for the frontend. The system is meant to send out emergency messages that can reach all Google software engineers(~100k) as a desktop notification.
- Designing, implementing, and deploying system to production in line with Google's developer workflow.
- Onboarded as a team member where I attended daily standups, weekly design reviews and iteration planning meetings.

### Lyft

Software Engineer Intern

San Francisco CA (Remote)

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 fraud related parameters 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 analysts. Those validations are then compiled into a configuration file which are used to create rules that detect whether a user is fraudulent or not.
- Implemented the frontend with ReactJS and the backend with Python
- Designed, implemented, and deployed the tool to production

### Digital Capital Solutions

Software Engineer Intern

Washington DC

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

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## TECHNICAL SKILLS

### Tools and Frameworks

Unix, PowerShell, React JS, React Native, Firebase


### Languages

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

### Concepts

- Object Oriented Programming, Databases, Abstract Data Types, Sorting Algorithms, Data Structures, Time-Space Complexity, I/O

### Personal Projects:

 <https://github.com/mikeaco>

- Developed a simple planning website using ReactJS and Firebase. Deployed using AWS Amplify: <https://dev.dffy1emn68kgs.amplifyapp.com>
- Created a Sorting Visualization webpage and a Pathfinding Visualization using React JS
- 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>