

MICHAEL ACOLATSE

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Permanent Address:

15588 Fancy Farm Court, Manassas, VA 20112

EDUCATION

University of Virginia

Candidate for BS in Computer Science

Current GPA: 3.775

Relevant Coursework: Software Development Methods, Program and Data Representation, AP Computer Science A, Data Structures and Algorithms, Theory of Computation

Charlottesville, VA

2023

WORK EXPERIENCE

Digital Capital Solutions

Software Engineer Intern

Washington DC

July 2020 – Current

- Integrated the backend database of a social media application using Firebase. 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

- Eclipse, Emacs, Jgrasp, MS Visual Studios, JUnit Testing, Bluejay, Unix, React JS, React Native, Firebase


Languages

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

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 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.

ACTIVITIES

National Computer Science Honor Society

Volunteer Instructor

Woodbridge, Virginia

September 2016 – June 2018

- Established an after school tutoring program for students struggling academically in Computer Science
- Instructed middle school students in intermediate Java programming at a Code Camp

Java Code Camp

Instructor

Woodbridge, Virginia

March 2017, March 2018

- Developed and organize lesson plans in introductory Java for middle school students
- Organized group activities for students to do during free time to encourage socialization

Soft Skills: Communication, Teamwork, Flexibility, Confidence, Problem Solving, Self-Management

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