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: 3.76
Relevant Coursework: Software Development Methods, Program and Data Representation, AP Computer Science A, Data Structures and Algorithms

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WORK EXPERIENCE

Digital Capital Solutions   **Washington DC**
Software Engineer Intern   *July 2020 – August 2020*
- Designed and developed a mobile application for townships.
- Designed and prototyped mock-up mobile application pages using Figma.
- Developed and refactored designed mock-ups into code to then integrate into the main application using React Native and Git.
- Gained knowledge in mobile app development lifecycle, React Native and Git.

Mathnasium   **Dale City, Virginia**
Instructor   *January 2018 – June 2018*
- Assisted students in Grades K-12 in elementary mathematics, Algebra, Geometry, and Calculus.
- Evaluated students' progression and provided supplementary materials as needed.
- Communicated students' development and academic level with parents

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TECHINCAL SKILLS

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

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   **Woodbridge, Virginia**
Volunteer Instructor   *September 2016 – June 2018*
- Established an after school tutoring program for students struggling academically in Computer Science
- Instructed middle school students in intermediate Java programing at a Code Camp

Java Code Camp   **Woodbridge, Virginia**
Instructor   *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

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

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