

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: 3.76

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

Charlottesville, VA

2023

WORK EXPERIENCE

Mathnasium

Instructor

Dale City, Virginia

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

TECHNICAL SKILLS

Tools

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


Languages

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

Concepts

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

Personal Projects:

 <https://github.com/mikeaco>

- Created a Sorting Visualization webpage using React JS
- Created an image inverter and pixelater using HTML, CSS and JavaScript.
- Created a python program that estimates pi given number of random coordinates on a x-y plane

ACTIVITIES

Students Working at Technology (SWAT)

Volunteer Computer Repairer

Woodbridge, Virginia

September 2017 – January 2018

- Replaced hard drives, batteries, and RAM and downloaded operating systems to repair defective computers
- Donated the repaired computers to help families in need

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