

# JOHN ALI

Hampton, GA 30228 | 770-557-5622 | [jpali@bellsouth.net](mailto:jpali@bellsouth.net)

## STUDENT

Dual major undergraduate student with a keen interest in software development. Currently pursuing professional experience through internships and cooperative education programs with the goal of applying my knowledge to create solutions in the IT industry.

## COMPETENCIES

Communication | Documentation | Workplace Scheduling | Team Organization | Problem Solving

## SKILLS

C++ | Python | HTML | CSS | Xcode | Python IDE  
Command Line Interface | Sublime Text | ATOM IDE

## EDUCATION

MOREHOUSE COLLEGE, Atlanta, GA, 2022

**Bachelor of Science, Computer Science and Mathematics**

## PROFESSIONAL EXPERIENCE

**CODE DIFFERENTLY** | Teacher Assistant | Wilmington, DE | Spring 2021

I teach high school students HTML, CSS and JavaScript.

**LIVERMORE NATIONAL LABORATORY** | Research Student | Livermore, CA | Summer 2020 – Spring 2021

Conducted experiments physics using mobile phone technology according to lesson plans being created prior to publishing curriculum for physics students.

**EMORY UNIVERSITY - RIEDER LAB** | Morehouse College - McNair Scholar | Atlanta, GA | Summer 2020

As a member of the Rieder Lab, mapped and analyzed sequence data to a custom Drosophila genome. Developed poster and presented research findings at scientific symposium.

**MERCEDES BENZ STADIUM** | Guest Services and Event Host | Atlanta, GA | 2017— 2020

Host, owner suite during Atlanta United and Atlanta Falcons games which included greeting and assisting guests with various needs.

**UNIVERSITY OF TENNESSEE at CHATTANOOGA** | Icompbio19 Researcher | Chattanooga, TN | Summer 2019

As a member of a Geoscience Research Team under Dr. Hossain Azad, developed a Landslide Data Entry Tool using Python and GIS software. The data entry tool collects specified landslide data such as length, width, location, rock type, soil type, etc. The collected data is placed into an excel spreadsheet and a word document is created for each individual landslide entry.

**CHARLES R. DREW TECHNOLOGY DEPARTMENT** | Intern | Atlanta, GA | 2016 - 2018

Managed process of configuring school-owned technology and inventory and repaired technology such as computers, cameras, etc. Also, provided tech support to students and staff.

## PERSONAL EXPERIENCE

**CODE DIFFERENTLY #STAYREADY PROGRAM:** Participated in an intensive Java coding bootcamp where industry experts taught students the basic and fundamental skills of Java along with proper terminology using lectures, labs, and assessments.

**CSSI Student at Google:** Participated in an intensive 3-week programming institute where Google engineers taught participants how to develop web apps in HTML, CSS, JavaScript, Python and Google App Engine. Created

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a web app called “College Maps” using HTML/CSS, Java, Python, and Google App Engine which allowed viewers to click on a state and examine near colleges and study spot.

**MSEIP Student at Morehouse College:** Designed and built 3D frames that hold a First-Person view camera for RC racing cars using Fusion 360 and 3D Printers (Upbox) in a makerspace .

**Polynomial Calculator:** Developed a program in C++ that accepts 2-12 polynomials. When entered, the polynomials are added together and the sum is displayed. The program also multiplies the polynomials and displays the product polynomial.

**String Calculator:** Developed a program in C++ that adds 2-12 up to 15-digit long numbers and multiplies the 2 largest numbers. The program also shows the steps for each operation. The numbers after entered must contain commas after each third digit.

**TIC TAC TOE:** Developed a 3 by 3 Tic-Tac-Toe game in C++ that allows the user to select their own pieces. The games maybe played multiple times and keep track of stats by storing the wins and losses for each player. The loser of a game goes first in the next game.