

# Ayowolemi Eni-omosule

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## EDUCATION

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### Georgia Institute of Technology

Atlanta, Georgia

B.S. & M.S. in Computer Science

Expected Graduation, May 2022

- **Concentrations:** Intelligence and Modeling/Simulations
- **GPA:** 3.82/4.00, *Dean's List*
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

## EXPERIENCE

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### Amazon.com

New York, New York

Software Development Engineering Intern

May 2020 – Aug 2020

- Created Python scripts to construct a pipeline that retrieved performance data from the AWS cross-regional team
- Developed various stacks on Node.js for data sources such as CloudWatch, Bindles DataLake, and DynamoDB
- Utilized various AWS resources such as Glue Crawlers, S3, Lambda, Redshift, and Quicksight to develop a dashboard displaying real time metrics

### Georgia Tech's Lab of Interactive Computing

Atlanta, Georgia

Research Assistant

Dec 2019 – May 2020

- Utilized Python and its NetworkX graph structure library to develop efficient algorithms to optimize resource flow in a simulation in which a natural disaster strikes a city
- Developed the graphical user interface on PyGame to allow the users to visualize the results

### Howard Hughes Medical Institute

Ashburn, Virginia

Data Engineering Intern

Jun 2019 – Aug 2019

- Used MATLAB video annotation library to segment out limbs of fruit flies to determine how different stimuli applied to the flies affect their movements and behavior
- Trained certain machine learning algorithms that ultimately predicted limb movements with a 92.7% accuracy
- Developed and implemented a user interface on Python and MATLAB to track the performances of the algorithms, to produce confusion matrices, and to display performance metrics

## PROJECTS

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### Chime Bot

New York, New York

Team Member

Jun 2020 – July 2020

- Developed a bot for Amazon Chime that will enhance contact management and support sub-commands for team functionalities
- Created bot services using AWS Lambda and Amazon Lex to permit users to create contact aliases

### Stock Predictor

Sterling, Virginia

Team Lead

Nov 2018 – Jan 2019

- Trained mathematical models to predict stock price trends using Naive Bayes, Neural Networks, and Linear Regression Time Series algorithms
- Scripted the predictive stock price model and obtained a prediction accuracy of 90.07%

## ACTIVITIES AND LEADERSHIP

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### Georgia Tech's College of Computing

Atlanta, Georgia

Teaching Assistant for CS 2340 (Objects and Design)

Aug 2020 – Dec 2020

### Muslim Student Association

Atlanta, Georgia

President

Aug 2019 – Current

- Leader of an organization of 100+ members, hosting religious events, managing a board of executives, and reaching out to the underprivileged community in Atlanta

## SKILLS

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**Programming:** Java, Python, JavaScript, HTML/CSS, SQL, Node.js, React.js, MATLAB, C++, C, Swift (iOS)

**Tools:** Android Studio, IntelliJ, PyCharm, Eclipse, AWS, Jupyter Notebooks, Git, Bootstrap, Spring Boot, Agile