

Saad M. Kanani

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EDUCATION

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

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

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

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

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