**Zachary J.L. Kublalsingh**

US Citizen | email@email.com | (123)-456-7890 | LinkedIn: linkedinAlias | GitHub: githubUsername

**EDUCATION**

**University of Pennsylvania/Georgia Institute of Technology                                              Atlanta, Georgia**

*B.S. in Computer Science                  Expected Graduation, May 2028*

* **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