

EDUCATION

The City College Of New York, New York, NY December 2020
Grove School of Engineering GPA 3.9/4.0
Bachelor of Engineering, Computer Engineering

RELEVANT COURSEWORK

Algorithms	Data Structures	Software Design
Discrete Math Structure	Computer Organization	Assembly
Probability and Statistics	Microprocessor and Interfacing	Cybersecurity

EXPERIENCE

Microsoft Research, New York City, NY | Data Science Research Intern May – July 2020
Used: - R, Bash, Python, Tableau, Shiny apps, Git, Ubuntu

- One of eight students (~1% acceptance rate) selected to study and research various topics in Data Science and Machine learning with leading scientists at Microsoft Research Lab.
- Performed replications of previous research to replicate results of the paper “Predicting the present using trends” and critically analyze conclusions found to tackle replication crisis
- Extended replicated research to draw our own conclusions based on critical analysis and evaluation of the results of expansion

City College of New York, New York, NY | CS Teaching Assistant Jan – Mar 2020
Used: - TensorFlow, Python, Slack, Google Colab, Jupyter Notebook, Keras

- Teaching assistant for an “Introduction to Deep Learning using TensorFlow 2.0” workshop and judge for the hackathon, both sponsored by Google.
- Successfully mentored more than 50 students throughout the workshop and hackathon.
- Designed accurate predictive algorithms for the datasets available in Keras to explain different types of models.

MIAC Analytics, New York, NY | Software Developer Intern May – Sep 2019
Used: - C++, C#, .NET, SQL, SSMS, Visual Studio Teams, JIRA, GIT

- Implemented features like adding authentication service system, LRU cache cleaning system and regression analysis.
- Successfully completed more than 50 JIRA cases, which included major bug fixes.
- Collaborated on different projects with multiple teams including Data Analytics, Quality and Assurance, Product Development and Secondary Solutions.

SKILLS

Programming Languages – Python, R, JavaScript, Bash, C/C++, Java, C#, HTML5, SQL, CSS
Libraries/Frameworks – Keras, NumPY, TensorFlow, Pandas, Scikit, Matplotlib, DplyR, ReactJS
Tools – Rstudio, Visual Studio, IntelliJ IDEA, XCode, LaTeX, JIRA, Git, Tableau

PROJECTS

BikeTrip | R, Rstudio, Bash, Python, Shiny apps May 2020 - Present

- Used R, Python, and Bash shell to clean over 3 million rows of data, derive statistical classification models, generate visualizations, and write algorithms.
- Extracted data from the Citibike and other multiple sources in order to predict the accurate number of bike trips each day.

TravelBud | JavaScript, Python, Android, NodeJS, ReactJS Jun 2019 – Sep 2020

- Designed an application that integrates tourist attraction finding, itinerary planning and Spot parking search to generate a comprehensive travel plan.
- Developed route calculating algorithms to find optimal travel route using data from multiple APIs