Atif Khan, Software Engineer

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LINKS

LinkedIn

EMPLOYMENT HISTORY

May 2023 — Aug 2023   **Software Engineer Intern, Genuine Parts Company**   Atlanta

Completed a full-stack development project where I created a fully-functioning AB Testing Experimentation Platform that allowed the company to direct customer traffic and evaluate the success of various website versions and features against each other to increase sales, customer retention, create business value using **Java, React, JavaScript, Spring Boot Microservice,** and **Firestore** from **Google Cloud Platform (GCP).**

Jan 2023 — May 2023   **Computer Science Instructor, Juni Learning**   Remote

Tutored 6 students individually every week where I taught them the fundamentals of computer science and how to code and develop their own projects in **Python**. I tracked their progress every week, assigned homework, answered all their questions, and developed lesson plans to make sure my classes were effective and useful.

EDUCATION

Sep 2020 — May 2024   **BA in Computer Science, Brown University**   Providence

GPA: 3.7
Relevant courses: Algorithms and Data Structures, Artificial Intelligence (AI), Object-Oriented Programming, Intro to Software Engineering, Data Science, Computer Systems, User Interfaces and User Experience (UI/UX), Statistical Inference, Linear Algebra, and Discrete Structures and Probability.

SKILLS

Python	SQL
Java	C/C++
Git	Hi-Fi prototyping (Figma)
React	Lo-Fi Prototyping (Balsamic)
Google Cloud Platform (GCP)	Spring Boot Microservice
Windows OS	REST API
Docker	JUnit Testing
HTML & CSS	Windows Subsystem for Linux (WSL)
JavaScript	

PERSONAL PROJECTS

Apr 2023   **Stock Price-Economic Data Relationship Analysis**

Created a **Python** program that analyzes the relationship between economic variables (CPI, unemployment rate) and stock prices using **machine learning** algorithms (linear and polynomial regression) as well as **statistics tests** (one/two sample T-Tests and chi-squared).

Mar 2022   **Recommender System**

Completed a back-end **Java** project with a team where we developed a program that groups students together based on attribute similarity by using a bloom filter hashing algorithm, **SQL database**, and **REST API calls**.

Apr 2021   **Machine Learning Flappy Bird**

Constructed a machine learning **Java** program that utilizes back propagation on a **neural network** to train birds to efficiently and effectively fly between pipes over several generations.

Sep 2020   **Voice-controlled Assistant**

Created a **Python** program that takes in a user's verbal input, converts it into a string using speech-to-text, and uses WolframAlpha **API calls** to search and present the requested information to the user.