Ghazanfar Shahbaz

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Education

Hunter College   **New York, NY**
Bachelor Of Arts, Computer Science, Minor in Philosophy and Math   August 2019 - June 2023
GPA: 3.83/4.0 GPA (Cumulative), 3.87/4.0 GPA (Major)
Relevant Coursework: DS & Algo, Natural Language Processing, Machine Learning, Computer Vision, Linear Algebra
Clubs: Google DSC, Hunter ACM, Open Source Club
Honors and Awards: Magna Cum Laude, Thomas Hunters Honors Program, Phi Beta Kappa, Cooperman Fellow, Dean's List

Professional Experience

Bloomberg   **New York, NY**
Senior Software Engineer   June 2023 - Present
- Developed an automated insights platform using *TensorFlow* with formatted data, boosting function usage by 45%
- Designed a system to allow insights to be available across the terminal regardless of data format
- Maintained a backend service which calculates different statistical attributes for equities
- Partnered closely with stakeholders to build and enhance equity functions, resulting in higher customer satisfaction
- Facilitated agile development methodologies as Scrum Master, increasing teams organization and efficiency
- Launched a monthly knowledge share series to foster collaboration and contribution within the organization
- Collaborated with NLP researchers and professionals to secure engaging and informative speakers for guild event
- Oversaw event logistics, including scheduling, venue selection, technical setup, to ensure seamless event executions

Amazon   **New York, NY**
Software Development Engineer Intern   August 2022 - January 2023
- Implemented a backend service to prioritize features based on feature statistics in *AWS Cloudwatch*
- Logged feature statistics into *AWS CloudWatch* using *Apache Spark* and *Open Telemetry*
- Incorporated integration and stress tests to validate service logic and reliable response time using *Mockito*

Bloomberg   **New York, NY**
Software Engineer Intern   June 2022 - August 2022
- Engineered a system to track and display real-time user selection settings, improving interaction and experience
- Developed endpoints to save and retrieve previous selections using *SQL* and an in-house backend library
- Integrated endpoints to display recent selections in tabular form and update them in real-time

Software Engineer Intern   June 2021 - August 2021
- Constructed a relational database to perform CRUD operations using *SQLAlchemy*
- Automated testing to ensure backend logic accuracy and decrease development time using *pytest*
- Spearheaded the development of a frontend application to display unformatted data using an in-house library

UnitedHealth Group   **Remote**
Software Engineer Intern   June 2020 - December 2020
- Transformed a search query using *SQL* to *Elasticsearch*, improving runtime by 200%
- Replaced a legacy backend service to improve efficiency and runtime using *Spring Boot*
- Migrated an *Angular* frontend application that used to call legacy endpoints to *Spring Boot* endpoints
- Designed a user interface with cost breakdowns of over 1,000,000 assets using *Angular* and *D3.js*
- Automated real-time data processing and cleaning workflows with *Pandas* to ensure data accuracy
- Implemented a *Spring Boot* framework which queried databases using *SQL* then sent data back in JSON format

Skill & Interests

Research Interests: Text Summarization, Speech Synthesis, Computational Linguistics, Machine Translation

Interests: Tennis, Running, Piano, Boxing, Reading, Cooking, Rock Climbing

Coding Languages: Python, C++, Swift, Typescript, Java

Frameworks: Flask, Tensorflow, Pandas, Pytorch, SwiftUI

Query Languages: SQL NoSQL, Elasticsearch, MongoDb

Professional Affiliations: All Star Code, Codepath

Languages: Urdu (Native), Chinese (Conversational), Japanese (Conversational), Spanish (Advanced), French (Beginner)