

CALEB COHEN

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EDUCATION

Suffolk University

B.S. in Computer Science, FinTech Minor
Overall GPA: 3.5

Expected 2024

Columbia University

Data Structures and Algorithms

Summer 2022

LANGUAGES AND TECHNOLOGIES

Primary Languages

C#, Java, Python, Node.js

Libraries and Packages

Pandas, NumPy, scikit-learn, statsmodels, Keras

Technologies and Frameworks

GraphQL, .NET, Flask, SQL, Git, Linux, Docker

RELEVANT WORK EXPERIENCE

Elliott Management

Software Engineer Intern

June 2023 - August 2023

New York, NY

- **GraphQL API Backend** (C#, .NET, GraphQL, SQL)
 - Introduced GraphQL API into an existing code base, reducing latency and payload size for queries
 - Modernized code base by upstreaming .NET version, resulting in 30% improved general performance
- **Natural Language SQL Query Dashboard** (Python, Flask, OpenAI)
 - Created Flask web app that processes natural language into SQL queries using OpenAI API
 - Utilized embedding methods to predict and associate queries with the most pertinent database tables for prompt optimization. Increased OpenAPI response speed by 30% and reduced token usage by 65%

PROJECTS

- **Linear Regression Stock Prediction API** (Python, Flask, AWS, scikit-learn)
 - Flask API hosted on AWS EC2 instance. Uses scikit-learn for regression.
 - Predicts whether a stock will be up or down tomorrow using a linear regression based on the past 7 days of relative performance against the S&P500.
- **Voice Activated Chat Bot** (Node.js)
 - Node.js based bot for Discord which captures audio streams from individual users and translates them to text.
 - Detects command phrases which can be used for playing audio and rolling dice
 - Can search for and play YouTube videos or SoundCloud audio

LEADERSHIP EXPERIENCE

- **Suffolk University Finance and Investing Club - CIO**
 - Board member in charge of managing analyst program for \$200k AUM US Large Cap Fund.
 - Modified analyst hierarchy through introducing risk management team for handling macroeconomic events.
 - Networked to bring in high profile guest speakers.