Hakob Chalikyan

Hchalikyan3@gmail.com | (818) 517-4836

https://www.linkedin.com/in/hakob-chalikyan-2bab3b189/

EDUCATION

University of California, San Diego

Mathematics and Computer Science, B.S.

WORK EXPERIENCE

Software Engineer | Nidec - Motion Control Engineering
November 2021 – Present

- Designed and developed a drag-and-drop application using .NET with C# that enables customers to fully customize elevator dispatching touch screens.
- Developed a monitoring software that communicates with elevator dispatching touch screens to display valuable information such as temperature, voltage, etc.
- Developed a virtual elevator dispatching screen allowing authorized users to make elevator calls from a computer/tablet from a remote location.
- Designed and implemented an API to allow for communication between the elevator controller and various applications to set parameters, send commands, and view monitors and statuses.
- Wrote scripts to dissect TCP and UDP communication protocols on Wireshark to make debugging more efficient for the whole software department.

PROJECTS

NBA Scorigami - https://scorigami.vercel.app

- Utilized an NBA API with Python to compile all scores in NBA history and analyze final scores that have never occurred and final scores that occur most frequently.
- Developed a website using Next.js to display findings using an interactive heat map that allows data to be filtered by team and year.
- Created a Cron job to update daily with new game scores.
- Created a bot on X to post updates after every NBA game.
- Utilized: Python, Typescript, Next.js, PostgreSQL, tRPC, Drizzle ORM, Tailwind, Cron job, D3.js

Ball Street Bets - https://ball-street-bets.vercel.app

- Created a daily fantasy sports platform that allows users to join competitions where they are given a portfolio of fantasy currency to buy and sell shares of their favorite sports teams.
- Utilized an API to get game and odds data. Real life game outcomes affect share prices in real time and the user with the biggest portfolio wins the competition.
- Implemented Stripe webhooks to allow users to buy in-game currency.
- Utilized: Typescript, Next.js, PostgreSQL, tRPC Drizzle ORM, Tailwind, Stripe

SKILLS

Languages: C#, C++, Python, JavaScript, TypeScript, Java, MATLAB, Lua
Frameworks: Next.js, React, Node.js, Tailwind, .NET, WPF, Flask
Tools and IDEs: Git, PostgreSQL, Drizzle ORM, tRPC, Visual Studio Code, Visual Studio, Docker