

Hakob Chalikyan

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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 React 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.
- Designed and 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.

PROJECTS

NBA Scorigami - <https://www.scorigaminba.com>

- 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. (has 35k+ followers)
- Utilized: Python, Typescript, Next.js, PostgreSQL, tRPC, Drizzle ORM, Tailwind, Cron job, D3.js

Chat OSS - <https://chatoss.vercel.app> (<https://github.com/HakobChalikyan/chatoss>)

- Open-source AI chat interface, allowing users to chat with 30 different models.
- Utilized OpenRouter API to allow a user to switch between models for each chat and message.
- Developed an intuitive user interface with features such as syntax highlighting, group chats in folders, branch off chats while maintaining history, and image upload.
- Utilized: Typescript, Next.js, Convex, Tailwind, OpenRouter

CheckinIn - <https://www.checkinin.com>

- Developed a Next.js web app enabling managers to schedule and monitor tasks and progress
- Developed a React Native tablet application for staff to view scheduled tasks and mark them completed in real time
- Implemented a live video chat feature between the web app and tablet app, allowing managers to remotely monitor store activity and communicate with the staff
- Utilized: Typescript, Next.js, React Native, Convex, Tailwind, LiveKit

SKILLS

Languages: TypeScript, JavaScript, C#, C++, Python, Java

Frameworks: Next.js, React, Node.js, Tailwind, .NET, WPF, Flask

Tools: Git, PostgreSQL, Drizzle ORM, tRPC, Docker