

DANIEL HAN

danielhan00@gmail.com · 1 (215) 801-5614 · San Jose, CA and Seoul, Korea
danhan.dev · linkedin.com/in/danielhan00 · github.com/danielhan00

WORK EXPERIENCE

Google (via Moebius Solutions)

San Jose, CA

Software Engineer I

Nov 2022 - Jul 2023

- Developed and maintained key features of the Google Pixel Tensor Chip, including power and performance optimizations.
- Implemented testing methodologies and visualizations to allow internal and external teams to test Google Pixel features.
- Collaborated with cross-functional, international teams, completing code reviews and creating roadmaps.
- Owned and implemented a testing framework migration from internal Google codebase to an external, open source codebase. Wrote documentation and gave a presentation to key stakeholders.

Haldi

San Francisco, CA

Full-Stack Engineer Intern

Jul 2022 - Aug 2022

- Designed and implemented an A/B testing model to compare the performance of different landing pages.
- Migrated a machine learning library from MATLAB to Python, rewriting critical algorithms and ensuring compatibility with current systems.
- Implemented efficient data fetching and manipulation strategies using GraphQL to optimize performance.

Sense

Boston, MA

Device Co-op

Jan 2020 - Jun 2020

- Collaborated with cross-functional teams to develop and implement customized solutions for users, resulting in a 10 point increase in customer satisfaction ratings.
- Developed a Python tool that showcased proprietary product features, attracting investor interest.
- Gathered user feedback through surveys, interviews, and usability testing, resulting in measurable improvement in user experiences.

EDUCATION

Northeastern University

Boston, MA

B.S. Computer Science and Music

- **Honors:** President's Scholarship, National Merit Scholar, Dean's List
- **Relevant Coursework:** Object Oriented Design, Fundamentals of Software Engineering, Algorithms and Data, Database Design, Computer Music Fundamentals
- **Extracurriculars:** Code for Community (Treasurer), Women in STEM (Liason), Society for Asian Scientists and Engineers (Member), Survivor Northeastern (Member)

TECHNICAL SKILLS

Front-End Development: JavaScript, TypeScript, React, Node, HTML, CSS, Tailwind, NextJS

Back-End Development: Java, Python, GraphQL, SQL, Google Cloud Services

Misc.: Git, GitHub, VSCode, Anaconda, Android Studio, IntelliJ, Agile

Languages: English (Native), Korean (Fluent)

PROJECT EXPERIENCE

Live Music Generator App

Spring 2022

Designed and implemented a web app to help live performers improvise in different genres of music.

- Scraped several unique public APIs and HTML sources of musical content.
- Cleaned, stored and hosted data in SQL relational database in Amazon RDS.
- Generated musical chords in real time based on given parameters, using ML techniques.

US Citizenship and Korean F4 Resident Status