

Matthew Finley

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EDUCATION

Make School

Bachelor of Applied Science in Computer Science

2020-2022

San Francisco, CA

SKILLS

Skills: Proficient in Java; Familiar in Python, JavaScript, HTML/CSS, Swift, C, and SQL

Technologies: Flask, Git

EXPERIENCE

Google CS First Club | Founder and Volunteer

- Founded a Google CS First club to teach ~25 middle schoolers Computer Science with Scratch
- Recruited others to help run the club and it runs to this day

Boy Scouts of America | Eagle Scout

- Led 8 scouts in a service project at the Western Wake Crisis Ministry food pantry to renovate 125 shelves in order to meet new safety regulations
- Held 5 leadership positions: Quartermaster, Scribe, Patrol Leader (x2), Assistant Patrol Leader
- Countless volunteer projects in the community including assembling and delivering luminary kits, building art easels for a school, renovating a garden, and building a walkway for a church

PROJECTS

PostureNet | HackNC 2019 Healthiest Hack & Most Innovative Hack Runner Up

- Built a web app that uses Machine Learning to analyze and correct posture in real time
- Uses TensorFlow.js to gather human pose data points
- Deployed with Firebase

Nomadr | CS50x Final Project

- Created an interactive web map that locates safe places to work, sleep, and shower on the road with community generated locations
- HTML/CSS/JavaScript front end
- Backend made in Python using Flask framework to dynamically generate webpages
- SQLite3 database to track user registration and datapoints

VEWI: Virtual Electronic Wind Instrument | Personal Project

- Built an iOS app that lets you use your phone to play music using standard woodwind fingerings
- Coded in Swift using Xcode, utilizing AudioKit framework