**Matthew Finley**

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**EDUCATION**

**University of North Carolina at Chapel Hill May 2023**

*Bachelor of Science in Computer Science, Minor in Physics Chapel Hill, NC*

**Relevant Coursework:** Foundations of Programming, Data Structures & Algorithms, Computer Organization, Linear Algebra, Discrete Mathematics

**Campus Involvement:** Carolina Analytics & Data Science Club (Web Development Chair), Quantum Computing Club, Carolina Tech Explorers, Marathon Team, Jazz Ensemble

**SKILLS**

**Languages:** Proficient in Java, Python, and HTML/CSS Web Development; Familiar in C, JavaScript, Swift, and SQL

**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

**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

**Jet’s Pizza | Delivery Driver**

* Part-time position at local pizza restaurant, 8 months

**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
* HTML/CSS/JavaScript front end
* Backend made in Python using Flask framework to dynamically generate webpages
* SQL 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