Matthew Finley

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PROJECTS & EXPERIENCE

Google CS First Club Founder and Volunteer
- Started a Google CS First club to teach middle schoolers Computer Science with Scratch at my former middle school
- Recruited others to help run the club and it's still running today

CS50x Final Project: Nomadr
- Created an interactive web map that locates safe places to work, sleep, and shower on the road with community generated locations
- HTML/CSS/JavaScript/Bootstrap front end
- Backend made in Python using Flask framework
- SQLite3 database for user registration system

VEWI: Virtual Electronic Wind Instrument
- Inspired by the AKAI EWI, VEWI is an iOS app that lets you use your phone to play music using standard woodwind fingerings
- Coded in Swift using Xcode

Boy Scouts of America (Eagle Scout)
- Led 8 scouts in a service project at the Western Wake Crisis Ministry food pantry, renovating 125 shelves to meet new safety regulations.
- Held five leadership positions in the troop: Quartermaster, Scribe, Patrol Leader (x2), Assistant Patrol Leader
- Countless hours volunteering in the community. Some projects include assembling and delivering luminary kits for the holidays, building art easels for a local school, renovating garden at former middle school, and clearing a walkway for a nearby church.

EDUCATION

University of North Carolina at Chapel Hill 						**May 2023**
Computer Science B.S. 							*Chapel Hill, NC*
Music Minor

RELEVANT COURSEWORK

- COMP 401: Foundation of Programming
  - Currently enrolled
- CS50x: Introduction to Computer Science
  - Harvard University online course
  - Languages include C, Python, SQL, and JavaScript plus HTML/CSS
- AP Computer Science
- COMP 410: Data Structures
  - Enrolling in spring semester

SKILLS & INTERESTS

- **Skills/Technologies:** Proficient in Python, Java, and HTML/CSS Web Development. Familiar in Swift, C, and SQL. Experienced with Git, Flask, iOS, and Unix/Linux.
- **Interests:** jazz; programming; running; reading; traveling; nature