GAVIN GARZIA

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EDUCATION

Colorado School of Mines, Golden, CO   Expected Graduation: **Dec 2025**
Major: Bachelor's of Science in Computer Science + Business   GPA: **4.0**
Minor: Computational and Applied Mathematics
Awards: RSM C-MAPP Scholar, Tau Beta Pi, Deans List

SKILLS

Languages	Python, C++, Java, Bash, C, Matlab, HTML, CSS, Haskell, PostgreSQL, SQLite, Powershell, MySQL, RISC-V Assembly, Batch
Frameworks	FastAPI, Java Swing, PyQt
Other	Git, LaTeX, RestAPIs, Redis, Linux, Agile, SVN

EXPERIENCE

Qualcomm   **Aug 2024 - Present**
Software Engineering Intern (CSCI370)   Boulder, CO

- Designed and implemented REST API with caching layer to handle http requests from approximately 2,000 LTE base stations
- Designed parallel solution to collect LTE base station configurations, decreasing runtime from 6 hours to under 1 minute
- Packaged script to Qualcomm's internal RPM repository

White River Technologies   **May 2024 - Aug 2024**
Engineering Intern   Lebanon, NH

- Developed script to configure Windows tablets for deployment with EM sensor system
- Designed and implemented GUI to plan drone flight paths with integrated leaflet.js map
- Developed GUI to modify configuration file and adjust hardware settings for EM sensor system
- Enhanced quality control GUI by adding ability to manipulate and convert between .ply and .shp file formats

PROJECTS

Portfolio Website   **Sep 2024**
HTML & CSS   gavingarzia.com

- Designed and developed website to showcase projects and experience
- Hosted website on Github Pages and ensured UI/UX was mobile compatible

Chess   **Dec 2022**
C++

- Designed a Command Line Interface for interaction and gameplay
- Implemented features such as move validation, check detection, and game state tracking

ACTIVITIES

ACM
High School Programming Competition Chair

Evolve Entrepreneurship
Member