

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, L^AT_EX, 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 around 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 Qualcomms 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

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

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

ACTIVITIES

ACM

High School Programming Competition Chair

- Responsible for organizing the 2025 High School Programming Competition at Mines

Evolve Entrepreneurship

Member