

# GAVIN GARZIA

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## EDUCATION

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**Colorado School of Mines**, Golden, CO

Expected Graduation: **Dec 2025**

B.S. in Computer Science + Business

GPA: 4.0

Minor in Computational and Applied Mathematics

Member of Tau Beta Pi honor society

**Awards:** Presidential Scholarship, Deans List, RSM C-MAPP Scholar

## SKILLS

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<b>Languages</b>	Python, C++, Java, Bash, C, Matlab, Haskell, PostgreSQL, SQLite, Powershell, MySQL, RISC-V Assembly, Batch
<b>Frameworks</b>	FastAPI, Java Swing, PyQt
<b>Other</b>	Git, L <sup>A</sup> T <sub>E</sub> X, RestAPIs, Linux, Agile, SVN

## EXPERIENCE

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**Qualcomm**

August 2024 – December 2024

Software Engineering Intern (CSCI370)

Boulder, CO

- Designed and implemented REST API to handle http requests from script on LTE machines
- Developed script to read LTE station configurations and communicate with API
- Packaged script to Qualcomms internal RPM repository

**White River Technologies**

May 2024 – August 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

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**Chess**

C++

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

## ACTIVITIES

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**ACM**

High School Programming Competition Chair

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

**Evolve Entrepreneurship**

Member