

LUCAS FASSMAN



lucasfassman@gmail.com



719-313-2360



Colorado Springs, CO 80919

SKILLS

Hard Skills:

- **Software Development:** Proficient in Java and Python (PCAP, PCEP certified). Experienced in backend development, SQL, database management, OOP, and data structures.
- **Software Tools:** Familiar with IntelliJ, VS Code, GitHub, and Maven.
- **Musicianship:** Proficient in piano, guitar, ukulele, harp, and percussion. Experienced in solo and ensemble performance, with strong skills in music theory, composition, scoring, and improvisation.

Soft Skills:

- **Teamwork:** Strong collaborator and communicator in both technical and creative teams.
- **Strategic thinking:** Ability to analyze complex problems and develop long-term plans
- **Creative Thinking:** Skilled at generating inventive software solutions
- **Adaptability:** Comfort with learning new tools and technologies, especially through mentorship.

PROFESSIONAL SUMMARY

A passionate programmer with experience in Java, Python, and SQL, and is currently expanding his skills in C, full-stack development, and object-oriented design patterns. Led technical game design projects and contributed to e-commerce and database-driven applications. A musician with a strong problem-solving mindset that combines technical depth with creativity and collaboration to build impactful software solutions.

PROFESSIONAL EXPERIENCE

Fountain Valley School of Colorado - Math & Computer Science Peer Tutor
Colorado Springs, Colorado • 08/2024 - 05/2025

- Tutored math and computer science concepts through the use of visual aids, diagrams, and step-by-step explanations, leading to increased understanding for students.

Founder & CEO, Goat Village Minecraft Network
Colorado Springs, Colorado • 07/2020 - Current

- Built and scaled a multiplayer gaming community with over 2,500 unique player logins.
- Engineered a custom server infrastructure using Java, SQL, and Linux-based hosting environments.
- Managed a distributed development team, maintaining 50+ GitHub repositories, including 10+ active projects with regular updates.
- Designed and implemented a normalized relational database for player data and game analytics.
- Cultivated a collaborative team culture through code reviews, asynchronous workflows, and Git version control.
- Developed and launched custom plugins, map designs, and texture packs that significantly boosted player retention.
- Led strategic growth initiatives including marketing, Discord community building, and user feedback loops.

EDUCATION

Northeastern University Oakland
Oakland, California • Expected in 05/2029

Bachelor of Science: Computer Science

Fountain Valley School of Colorado
Colorado Springs, CO • 05/2025

High School Diploma

- Dean's List - 11th and 12th Grade, Both Semesters
- Froelicher Society Inductee (Academic Society) - 12th Grade
- Peer Tutor 2024-2025
- Global Scholars Diploma Recipient
- Completed Python 101-104
- PCEP and PCAP Python Certifications
- Chess Club Co-Founder
- Student Honor Council Member - Elected By Student Body
- Sports: Soccer, Cross Country, Climbing Team, and Mountain Biking
- Colorado Springs Youth Symphony 2024
- Beta Camp Summer 2024
- The Walden School Young Musicians Program Summer Camp 2023