




GABRIEL FAIGAN

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Education

University of Waterloo

Sep 2025 – May 2030

Bachelor of Honours Software Engineering

Waterloo, Ontario

- Class Academic Rep

Humber College

Sep 2017 – May 2024

Advanced Jazz Ensemble

Etobicoke, Ontario

Skills

- **Languages:** Java, C, HTML, CSS, SQL, Python
- **Frameworks/Tools:** Git, Swing, AWT, GitHub, GitLab, WordPress, VS Code, Linux
- **Concepts:** OOP, Software Methodology, Prompt Engineering
- **Other:** Leadership, Time Management, Communication, Detail-Oriented Problem Solving

Experience

Orbital

Sep 2025 – Present

Full-Stack Developer

University of Waterloo

- Developed CubeStat ground station back-end in **Python/FastAPI** and front-end in **TypeScript** to improve system reliability for satellite telemetry, and implement features.

Event Entertainment Band

Sep 2022 – Present

Founder & Band Leader

Toronto, Ontario

- Founded and managed a professional band performing at 5+ events, coordinating rehearsals and client communications to improve efficiency and client satisfaction.
- **Led a team of 4 musicians**, developing scheduling, workflow, and conflict resolution skills.

Snowhawks & The City of Toronto

Nov 2023 – March 2025

Ski Instructor

Toronto, Coldwater, and Blue Mountain, Ontario

- Taught **100+ students aged 5–70**, adapting techniques to skill levels to increasing student confidence and retention.
- Designed personalized lesson plans to improve average student performance by one major ability level per week taught.

Private Piano Instructor

Sep 2024 – June 2025

Piano Teacher & Manager

Toronto, Ontario

- Taught students of varying ages and skill levels piano technique, music theory, and performance.
- **Adapted lessons to individual learning styles** to improve student progress and confidence.

Projects

Original Shooter Game | Java, Logic Pro, VS Code, Swing, AWT

Jan 2025

- Built a 24-level shooter game in **Java** using OOP, implementing **Swing** and **AWT** frameworks, collision detection, physics, scoring, UI, and audio to create a scalable, playable experience.

Artist Website Management | HTML, CSS, Wix

Jan 2021 - Present

- Managed and updated a professional fine artist's website to improve accessibility, performance, and user experience through consistent updates, content, and digital media.

Music Production & DJ | Logic Pro, Reaper, Audacity, MidiTrail, MainStage, VGM Trans

Feb 2017 - Present

- Developed technical expertise with audio editing software and digital tools to produce and remix **100+ tracks**, growing online audience to **1,000+ subscribers**.
- Programmed **VSTs** and **digital synths** in **C++** to create custom sounds and modular frameworks for new instruments.

Leadership / Extracurricular

AEPi Fraternity

Sep 2025 – Present

Member

University of Waterloo and Laurier

- Built strong professional and social networks through active involvement in fraternity activities, to enhance interpersonal and leadership abilities.