Vlad Zimmerl

Software Engineering Student

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Summary

I am a 3rd year student at McGill University in Montreal working towards my B.S. in Software Engineering. Aside from programming, I enjoy playing ultimate frisbee as a player on McGill's division 1 team. I also coach ultimate at Marianopolis College.

Projects

McMeet: A Booking Website

- Created a booking website in the style of McGill School of Computer Science websites
- Users create accounts, organize and register for meetings, request meetings from others
- 3-person project in the context of a web development course
- **MERN** web stack, my focus was on the **Node JS** backend using the **Express** framework
- **JWTs** used for session authentication in private pages

Game Playing AI Competition

- Designed an AI bot to play the game Colosseum Survivor in a full tournament
- 2-person project in the context of an AI course at McGill
- Placed in the top **3%** with a **90%** win-rate against 300 other students
- Built using **Python**
- Uses **AlphaBeta pruning** and refined heuristic board evaluations

Other University Projects

- Database reservation system using **Java** and **IBM db2** (4 team members)
- Toy operating system built in **C** implementing: commands, file system, multitasking (solo)
- Testing suite with **Junit**, story testing in **Gherkin** and performance testing (3 team members)
- Currently working on a game project in a group of 7 people that is a reinterpretation of the classic 1994 game X-COM: UFO Defense. Built with **C#** and **Unity**.

Skills

Fluent Bilingual: English and French

Technologies: Python, Java, C#, C, Javascript, HTML, CSS, Kotlin, Bash, PHP, Assembly, SQL

Other Employments: Coach of the Marianopolis Demons Ultimate Frisbee Team competing in the provincial championships.

Education

McGill University	2022-2026

B.S. Software Engineering

3.8 GPA

Marianopolis College	Graduated 2022
Marie de France (High School)	Graduated 2019