

EMILE AZZAM

Address: 117 Greenfield Rd. Brantford
Cell: (519) 761-9106
Email: azzame@uoguelph.ca
Personal Website: www.metallicgoat.ca
GitHub: www.github.com/MetallicGoat

SKILLS

- Java, PHP, JavaScript, TypeScript, React, Next.js, HTML, CSS, Tailwind, SQL, MySQL, Bootstrap, Wordpress, Docker, Bash
- Proficient with Linux, specifically RHEL and Debian based systems
- Excellent cooperation and communication abilities developed through working with other developers on both large (and small) open, and closed source projects

EDUCATION

Bachelor of Engineering, Engineering Systems & Computing (Co-op) 2023 - Present
University of Guelph, Guelph, ON

Ontario Secondary School Diploma 2019 - 2023
St. John's College, Brantford, ON

JOB EXPERIENCE

IT Manager and Software Developer (Co-op) Apr. – Sept. 2025
Perpetual Motion Sports, Guelph, ON

- Full stack software development on proprietary league management software
- Implemented various features and bug fixes to both admin, and user facing control panels built with a PHP rest API, and connect to a MySQL database for a React frontend
- Detailed descriptions and images of features implemented can be found on my website [here](#)

Freelance/Volunteer Software Developer 2020 – Present
Home, Brantford, ON

- Work on a variety of open and closed source projects; both paid, and voluntary work
- Given a set of requirements from a customer, develop server side plugins to perform the required tasks as efficiently and reliably as possible
- Perform tests to ensure every customer gets a final product that exceed their expectations

Lifeguard 2021 – 2024
Brant Conservation Area, Brantford, ON

- Perform rescues and first aid in the event of injuries, and/or emergencies, following proper procedures in accordance with NLS
- Performed hourly pool tests to ensure chlorine and pH levels are safe
- Adapted to fast-paced environment and formed strong relationships with all staff members

Dishwasher 2020 – 2021
Sociable Kitchen & Tavern, Brantford, ON

- Part time dishwasher at Sociable Kitchen
- In addition to washing dishes, would also help portion food, and assist in closing

ENGINEERING PROJECTS

MBedwars, (Server Plugin)

2020 - Present

Personal Hobby Project

- Co-Maintain a plugin-based back-end that can reliably manage hundreds of concurrent players, and supports proxies to scale linearly for large networks (wiki.mbedwars.com)
- Self maintain a large set of open source addons for the core project available on GitHub
- Write user facing, as well as developer API documentation for all aspects of the software
- Work on implementing user feature requests, and resolving bug reports
- Provide user support through online channels

Object Oriented Programming Project, (Traveling Salesman)

Jan. – Apr. 2024

University of Guelph, Guelph, ON

- Team implementation of Traveling Salesman in Java 17 using the LibGDX framework based on a of hyper specific set of guidelines
- Achieved a grade of exactly 100% on every aspect of the project
- Both the projects code base and write-up has since been [open sourced here](#)

TRAINING AND CERTIFICATIONS

NLS (National Lifeguard)

Re-certified Dec. 2023

First Aid & CPR-C

Re-certified May 2024

RPAS Pilot License

June 2020

PERSONAL INTERESTS

Dogs, swimming, programming, open-source, biking, camping, canoeing