

EMILE AZZAM

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GitHub: www.github.com/MetallicGoat

SKILLS

- Over 3 years of experience with Java, with a long history of open source contributions
- Excellent cooperation and communication abilities developed through working with developers on both large open, and closed source projects
- Proficient with Linux, specifically RHEL based systems
- Skilled on (and understand the importance of) refining work based on iterative feedback

JOB EXPERIENCE

Hobbyist 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 back-end plugins to perform the required tasks as efficiently and reliably as possible
- Perform tests to ensure every customer gets a final product that exceeds 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: www.github.com/MetallicGoat/TravelingSalesman

EDUCATION

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

Ontario Secondary School Diploma 2019 - 2023
St. Johns Collage, Brantford, ON

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