

# Hamza Ammar

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## EDUCATION

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### Laurel Heights Secondary School, Waterloo, Ontario

Enrolled: Sept 2022 — Expected: June 2025

- Event Organiser for Muslim Student Association (MSA)
- External Communicator for Careers Club

### Ecole Secondaire David Saint Jacques, Kitchener, Ontario

Enrolled: Sept 2021 — Left: June 2021

- Vice President of the Student Council
- Convinced our Principal to bring the school to Canada's Wonderland as an end of year trip
- Started the school's effort to run CEMC Competitions

## EXPERIENCE

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### NeoDev League

Waterloo, Ontario

Founder, Tech Lead, Logistics Lead

May 2024 - Present

- Created a non-profit organization with the goal of inspiring students to innovate and collaborate in the fields of STEM
- Ran an event for 120 high school students to work on real world problems in a 10 hour time frame
- Created a unique website which would allow for sponsors and interested students to learn more about our event
- Contacted potential sponsors to finance our event

### Kuzu Inc

Waterloo, Ontario

Software Intern

June 2024 - August 2024

- Worked on the main CLI for Kuzu DB's shell extensions to help users understand their queries
- Fixed issues with the Kuzu Shell, aimed at improving the user experience

### MapFLOW

Waterloo, Ontario

Data Manager

November 2022 - March 2024

- Created 10+ JSON files bringing together medical research from multiple sources to be used in an app that helps pharmacists diagnose patients
- Created a CLI tool to translate said files to other languages, notably French, using Open AI's API

### YMCA Of Three Rivers

Waterloo, Ontario

Instructor/Lifeguard

September 2023 - August 2024

- Educated young swimmers of all swimming levels and help them improve technique, confidence, and fun in the water
- Ensured safety and security on the pool deck by checking chlorine levels in the pool and scanning the water for anyone that may need help.

### Engineering Science Quest

Waterloo, Ontario

High School Leader

June 2023 - August 2023

- Taught elementary school kids the basics of STEM in a fun and interactive way, while keeping an eye out for any problems or issues in the camp.
- Helped mentor volunteers looking to pursue a bigger role within Engineering Science Quest.

### 2702 Rebels

Waterloo, Ontario

Member

October 2022 - Present

- Made Prototypes, Designed and Built a robot to compete in the FIRST robotics challenge in 3 months, which was able to compete in two regional events and a provincial competition, even being invited to the world championship stage
- Used a number of connections to bring together a list of 1000+ sponsors to raise money for our team

## PROJECTS

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### UniMap

Project Link: <https://github.com/HamzaAmmarPython/UniMap>

June 2022 - In Progress

- Creating a mapping system for university students to never get lost on campus again
- Worked with numerous tools to import blueprints and create a map out of it