Zaid Abdulameer

University of Waterloo **Computer Science**
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Qualifications

- Languages: **JavaScript**, **TypeScript**, **Python**, **C/C++**, **Bash**, **R**, **Haskell**
- Frameworks and Tools: **Git**, **Linux**, **React**, **Node.js**, **D3**, **SQL**, **MongoDB** and **REST** APIs
- Software: **Visual Studio Code**, **MS Office**, **Figma**

Work Experience

Broadcast Technician
UWaterloo Esports

October 2023 - Present
Waterloo

- **Directed** livestreams on twitch to an average of **40 concurrent viewers**
- **Automated** scene changes using a **Node.js** script with OBS Browser Sources
- **Operated** various **professional** broadcast equipment including an audio mixer, headsets, microphones and cameras

Math Instructor
Mathnasium

June - August 2022
Mississauga

- **Taught** mathematics to highschool students including in-person and online sessions
- **Optimized** learning plans for students based on their individual strengths and needs
- **Coordinated** with a **team** of instructors to ensure students receive appropriate **support** to meet their learning goals

Indie Game Developer
June 2020 - July 2021
Remote

- Designed creative video games, **reaching 50 players**, using Godot **game engine** and Aseprite pixel art assets
- Planned and developed projects in a fast paced environment through participation in 2 game jams

Projects

AI Interview Help Website
interviewly.ai

- **Led** the **front-end** design and development of a website using Next.js
- Integrated **Open AI**'s Whisper model for advanced speech recognition and GPT for generating relevant interview feedback for users
- **Presented** the project to a CEO and an experienced developer during HawkHacks

Course Map
course-map

- **Designed** a graph representation of courses at the University of Waterloo using **React** and **D3 data visualization** library
- Managed user course selection data using **MongoDB Atlas database**

GHG Emissions Map
e-mission

- **Developed** a city map overlay for greenhouse gas emissions data of over **100 government facilities** using **Google Maps API**,

Calendar Discord Bot
google-calendar-bot

- Composed a user interface using discord.py to read and update data from a connected Google Calendar

Python Stock Trading
trading-strategy

- Implemented **real-time stock data** retrieval using the Yahoo Finance library, ensuring up-to-date and accurate information for trading decisions
- Developed an **automated** stock trading bot in Python, leveraging **NumPy** for numerical computations and pandas for data **manipulation** and analysis