

William McKenzie

+1 782-234-1455 | williamqm.com | william.mckenzie@uwaterloo.ca

EDUCATION

Waterloo University

Bachelor of Mathematics (Pursuing Data Science major)

Kitchener, Waterloo

Aug. 2025 – Present

EXPERIENCE

Street Ambassador Intern

Downtown Dartmouth Business Commission

June 2025 – August 2025

Dartmouth, NS

- Worked with the World Litter Run to clean up 1000+ pieces of litter
- Started partnership between DDBC and Unwaste.io as QA testers
- Represented the DDBC at the 2025 Natal Day and Pride Parade(s)

3D Designer

SolidBlocks, official Microsoft partner

Oct. 2024 – March 2025

Netherlands, remote

- Implemented 50+ 3D models/textures
- Streamlined design process via a style guide
- Led development of 3 major projects which generated \$15000+

Game Designer

Ripple Studio

July 2023 – May. 2024

Texas, remote

- Led design of 4 dungeons
- Implemented experimental map/dungeon generation in Godot
- Created 100+ enemy designs and behaviors

PROJECTS

kingdomcrushers.io | *Godot, Supabase, Digital Ocean, NextJS, Stripe, Google Play*

June 2024 – Present

- Built a cross platform MMO game, 1000+ hours of total playtime
- Led team of 3 to publish on the Play Store, getting over 100 downloads in the first 3 months
- Implemented safety measures via server architecture to protect 1400 accounts
- Implemented server using Digital Ocean (nginx), with 99% uptime
- Implemented payment system with Stripe, leading to \$300+ in payments
- Implemented a dynamic wiki page using NextJS, with over 1000 visits/month
- Optimized server to be able to handle 100+ players simultaneously on Digital Oceans \$20 plan via

OSRS Flipper | *Java, Python, Dreambot*

July 2025 – Present

- Built a Runescape market manipulating bot with a 0% ban rate
- Created algorithm which finds the best deals, same results as OSRS Exchange
- Consistently achieved 10% returns over an hour of flipping
- Implemented scalable system using a python server to enable 10+ bots at once

quizzgen.com | *NextJS, NextAuth, Groq AI, MongoDB, DaisyUI, Stripe*

December 2024 – March 2025

- Built an AI quiz generating webapp with 100+ quizzes generated
- Implemented pro plan via Stripe to process \$100ARR

TECHNICAL SKILLS

JavaScript (Proficient), Python (Proficient), GDScript (Proficient), Java (Intermediate), C (Intermediate), Racket (Intermediate), C (Beginner), React/NextJS, Godot, Tailwind, Digital Ocean, Git, IntelliJ