

Matthew Yu

 [codingmayus](#) |  [matthewyuu](#) |  [matthewyu.tech](#) |  [matthew_yu85@outlook.com](#)

EDUCATION

University of Waterloo

Bachelor of Mathematics (Honours)

CS Club, DS Club, VP of Operations for Residence Council, MATH 145

Sept 2025 – Present

Waterloo, ON

Dr. G. Williams Secondary School

High School and IB Diploma

2x OFSAA Cross Country, Math Club President, Game-Dev & Peer Tutors Exec

Mark: 97.7%

Sept 2021 – June 2025

Aurora, ON

EXPERIENCE

Reality Labs Design Team

Software Engineer

Technologies: Javascript, C#, Express JS, Websockets, Unity

September 2025 – Present

Waterloo, ON

Project: Empower

Backend Developer

Technologies: Python, Beautiful Soup

August 2024 – August 2025

Remote

Mu Systems Corporation

Backend Intern

Technologies: Zentao, Java, Spring Boot, Python, Beautiful Soup

July 2024 – August 2024

Remote

SKILLS

Programming Languages

Java, C, C++, Python, JavaScript / TypeScript, Lua, Racket

Web & Software Development

React, Next.js, Node.js, Express, Tailwind, HTML, CSS

Systems & Tools

Bash, Vim, Git, Slack, GitBook, Figma, LaTeX

Data & Machine Learning

TensorFlow (Keras), OpenCV, MongoDB, MySQL, Firebase, Web Scraping (Beautiful Soup, Selenium)

Simulation & Game Development

Blender (Modelling, Rigging, Animation), Unity, Roblox Studio (Lua Scripting, UI Design)

SOME PROJECTS

Focus Friend – EEG-Based Focus Detection System

React Native, TypeScript, Hardware (Arduinos, Op-Amps) C++



InTouch – Personalized Cold Emails

Flask, Auth0, Beautiful Soup, Selenium, JavaScript, Pinecones, MongoDB



Your Legacy – First-Person Battle Royale

Lua, Blender, Raycasting, client-server interactions, UI & Game Design



Philos - 3D Personable Friend!

Next JS, OpenCV, Three, Azure, Tensorflow, Tailwind, Cookie-based Auth

