

Yousef Kart

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EDUCATION

University of Windsor | GPA: 3.8/4.0
Bachelor of Computer Science (Honours) & Minor in Mathematics

Windsor, Ontario
September 2021 – May 2025

EXPERIENCE

Scelta
Software Engineer & 3D Modelling Lead

Windsor, Ontario
May 2025 – Present

- Full-stack development on Scelta's Real Estate Development Map. Tools include NextJS, DigitalOcean, Supabase, and GitHub CI/CD Pipeline
- Enhanced user experience by seamlessly embedding 3D models into interactive maps for clients and stakeholders

Software Engineer & 3D Modeller

February 2025 – May 2025

- Created 3D models of proposed developments using only architectural blueprints and inspiration images
- Produced cost-effective, presentation-ready visualizations in 3–5 days, compared to industry average of 2–4 weeks
- Enabled successful client pitches, directly contributing to increased sales of other products within the Scelta Suite

PROJECTS

AI Monitoring System | "Greatest project I've ever supervised" - Dr.Chen

September 2024 – April 2025

- Web-based application that allows any device to be used as a security camera
- Integrated artificial intelligence that detects highly customizable events of interest
- Ability to save or view footage in real time, from any web browser

Flag Frenzy | Sold for \$5,250 USD

September 2023 – April 2024

- Assisted in the development of a free and fun capture-the-flag game created in Roblox Studio
- Modeled all non-primitive 3D assets, animations, and textures using Blender
- Procuring roughly 2.5 million visits per month, with a 70% like to dislike ratio

Tourify | Top in class — 99% grade

January 2024 – April 2024

- Developed an Android application that helps users find vacation destinations, reducing search times by more than 50% and providing more options than other means
- Has the potential to increase local business revenue by providing free advertisement for hotels and resorts
- Includes a fully functioning and encrypted registration system that utilizes JSON Web Tokens
- Integrated Google's Places API to populate the application

Escape Java | 1st place by vote — 98% grade

January 2023 – April 2023

- Developed a 3D escape room game based off of the Computer Science Commons at the University of Windsor
- This course utilized a legacy rendering engine (Java3D, last update in 2004) to emphasize on problem solving in software development, as the library has very little documentation and no tutorials
- Created a .obj and .mtl file parser to streamline 3D model imports
- Integrated a first-person camera and movement system as well as collision detection

CERTIFICATIONS

University of Windsor
Dean's Honour Roll

Windsor, ON
2021, 2022, 2023, 2024

Information and Communications Technology Council
Artificial Intelligence

Online
December 2023

St. Clair College
Mechanical CAD

Windsor, ON
March 2020

SKILLS

Languages: Java, C/C++, C#, Kotlin, Python, TypeScript, JavaScript, HTML/CSS, MatLab, SQL

Platforms: Unity, Blender, Maya, Android Studio

Libraries: React, Tailwind, CUDA ToolKit, OpenCV, YOLO, WebRTC, Java3D, Swing, PyGame

Tools: GitHub, Trello, Vercel, Supabase, Firebase, VSCode, JetBrains IDEs