

Yousef Kart

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EDUCATION

University of Windsor

Bachelor of Computer Science (Honours) & Minor in Mathematics

Windsor, Ontario

September 2021 – May 2025

EXPERIENCE

Scelta

Software Engineer (Full Stack)

Windsor, Ontario

February 2025 – Present

- Implemented a shared-authentication system for SSO across the Scelta Suite
- Co-developed a Retrieval Augmented Generation (RAG) data pipeline for the Sitekick AI assistant
- Designed and deployed a standardized UI package for Scelta web applications
- Created a NextJS application template to fill in boilerplate code, reducing initial build time by more than 50%
- Built a system to seamlessly embed 3D models into web maps, improving visualization workflows
- Optimized database queries and API endpoints, decreasing loading times by up to 25% and improving UX
- Developed an internal tool for automated testing across multiple applications, reducing build cycle times by 14%
- Collaborated with cross-functional teams to ship and maintain features across 6 applications

Freelance

3D Modeller and Designer

Global

June 2021 – February 2025

- Created hundreds of optimized assets for video games and 3D animations among 40+ clients
- Modelled and rendered dozens of proposed real estate developments using architectural blueprints and site plans, ranging from single-family homes to \$100 million+ developments
- Produced cost-effective, presentation-ready visualizations in 3–5 days, 3x faster than the competition average
- Enabled successful client pitches, directly contributing to increased sales and contracts

Tutoring

Programming & Mathematics Tutor

Windsor, Ontario & Detroit, Michigan

September 2022 – May 2024

- Tutored more than 10 engineering students in programming (Python, C++, MATLAB) and math by simplifying complex concepts into practical examples
- Strengthened students' problem solving skills by guiding them through proper programming practices, debugging, and exam preparation

PROJECTS

AI Monitoring System | "Most impressive 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

Flag Frenzy | Sold for \$5,250 USD

September 2023 – April 2024

- Modeled all non-primitive 3D assets, animations, and textures using Blender
- Procuring 2.5 million visits per month, with a 70% like ratio

Escape Java | 1st place by vote out of 104 students

January 2023 – April 2023

- Developed a 3D escape room game based off of the Computer Science Commons at the University of Windsor
- Created an automated .obj/.mtl file parser, reducing 3D model import overhead by 90%

SKILLS

Frontend Frameworks: React, NextJS, Angular, TailwindCSS

Backend & Database: NodeJS, ExpressJS, Supabase, DataGrip, PostgreSQL

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

3D Tools: Unity, Blender, Maya, AutoCAD, Animotica, Soundly, Canva, Fspy