

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

- Developed a shared-authentication system for SSO across the Scelta Suite
- Designed a standardized UI-package for Scelta web applications
- Built a NextJS app template to streamline/automate web prototyping and testing
- Implemented a powerful and flexible feature for embedding 3D models on a web-based map
- Collaborated with cross-functional teams to develop and maintain core features on 6 different applications (Scelta Home, REDMap, Sitekick, SpeedCRM, Portal, and Encore)
- Optimized database queries and API endpoints, reducing loading times and improving user experience

3D Design Lead

February 2025 – Present

- Created 3D models of proposed developments using architectural blueprints, site plans and inspiration images
- Produced cost-effective, presentation-ready visuals in 3–5 days, compared to the 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

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

AWARDS

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

Frontend Frameworks: React, NextJS, TailwindCSS

Backend & Database: NodeJS, ExpressJS, Supabase, PostgreSQL

DevOps: GitHub CI/CD, DigitalOcean, Docker, Trello

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