Yousef Kart

519-991-6921 | yousefkart21@gmail.com | linkedin.com/in/yousef-kart | github.com/YousefKart | yousefkart.com

EDUCATION

University of Windsor — Windsor, Ontario
Bachelor of Computer Science (Honours) & Minor in Mathematics — *September 2021 – May 2025*

EXPERIENCE

Scelta — Windsor, Ontario
Software Engineer (Full Stack) — *February 2025 – Present*
- Implemented a shared-authentication system for SSO across the Scelta Suite
- Designed and deployed a standardized UI package for Scelta web applications
- Created a NextJS application template to streamline web prototyping and testing
- Developed a feature for embedding 3D models onto a web-based map
- Optimized database queries and API endpoints, reducing loading times and improving user experience
- Introduced an internal tool for automating UI testing across multiple applications
- Collaborated with cross-functional teams to develop and maintain core features on 6 different applications (Scelta Home, REDMap, Sitekick, SpeedCRM, Portal, and Encore)

Freelance — Global
3D Modeller and Designer — *June 2021 – February 2025*
- Created hundreds of optimized assets for video games and 3D animations
- 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, 300% faster than the competition average
- Enabled successful client pitches, directly contributing to increased sales of other products within company suites

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
- 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 2.5 million visits per month, with a 70% like 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 limited documentation and no tutorials
- Created an automated obj/mtl file parser, reducing 3D model import overhead by 90%
- Integrated a first-person camera and movement system, as well as collision detection

AWARDS

University of Windsor — Windsor, Ontario
Dean's Honour Roll — *2021, 2022, 2023, 2024*

Information and Communications Technology Council — Online
Artificial Intelligence — *December 2023*

SKILLS

Frontend Frameworks: React, NextJS, Angular, TailwindCSS
Backend & Database: NodeJS, ExpressJS, Supabse, PostgreSQL, SQLPlus
Languages: TypeScript, JavaScript, Python, HTML, CSS, SQL, Java, Kotlin, C/C++, C#
3D Tools: Unity, Blender, Maya, AutoCAD, Animotica, Soundly, Canva, Fspy