AMIR CHEIKH

✉ cheikh1@uwindsor.ca 🌐 https://amircheikh.com
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Education

University of Windsor · 2022 to Current
Bachelor of Science Honours Computer Science with Software Engineering Specialization (Co-op) 2026

Skills

TOOLS: AWS, GCP, Git, PostgreSQL, Docker, Expo, Unity
LANGUAGES: TypeScript/JavaScript, HTML, CSS, Python, GraphQL, SQL, C#, Java, Bash, C
FRAMEWORKS & LIBRARIES: React, React Native, Next.js, Node.js, FastAPI, Flask, Pytorch, TensorFlow, Pandas, TorToiSe, OpenAI-API

Employment

Nest Wallet
Fullstack Developer Intern · Jan. 2024 to Aug. 2024 · Remote
- Implemented fullstack features using React Native for the frontend and Go/GraphQL for the backend
- Developed an intricate questing system, increasing total user base by over 20,000 in under one week
- Built a quick and intuitive trading terminal bringing thousands of dollars in daily swap volume
- Spearheaded gamification of the user interface by designing and creating custom sound effects and animations for key features
- Created marketing videos for their Twitter, including 3D animations built with Blender

Oranda AI
Software Developer Intern · Dec. 2022 to Apr. 2023 · Remote
- Spearheaded the development of the backend infrastructure for a cutting-edge AI-driven art platform, leveraging FastAPI, GCP, and AWS
- Played a pivotal role in the frontend development efforts by creating a dynamic and user-friendly interface using React
- Developed an innovative legal tool for a local real estate firm that transformed the traditional, cumbersome process of legal document navigation into a streamlined, AI-enhanced experience

University of Windsor
Teaching Assistant - Key Concepts in Computer Science · Sept. 2023 to Dec. 2023 · Windsor ON
- Conducted regular office hours to facilitate learning, addressing academic queries and reinforcing key concepts, ensuring students comprehended the subject material
- Held weekly laboratory sessions, emphasizing the practical application of theoretical concepts
- Assessed and graded lab work with keen attention to detail, providing constructive feedback to drive student excellence

Projects

Next.js 3D Stars Portfolio
Next.js, Three.js, Vercel
- Created a 3D personal portfolio website template built from the ground up using Next.js and Three.js implementing custom sound effects and 3D animations. Available as a **template repo** on GitHub

Amir's AI Texture Generator
Unity, OpenAI, DALLE-2
- Developed a plugin for the Unity Game Engine that allows users to seamlessly generate textures for their video games using OpenAI's DALLE-2 directly in the editor. Available as a **free download** from the Unity Asset Store

ChatGPT NPCs in Unity
Unity, OpenAI, ChatGPT
- Integrated OpenAI's ChatGPT into an in engine game demo to create expressive and customizable characters. Available **for users to clone** and integrate into their own projects

AI Text to Speech Discord Bot
Discord-API, TorToiSe, Pytorch
- Created a discord bot that allows users to generate text to speech .wav files that is spoken by a user defined, custom trained voice