TAREQ ALANSARI

Computer Engineer

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☎ (250) 510-3058
in LinkedIn
🌐 Portfolio

EDUCATION

BASc
Computer Engineering
University of British Colombia
📅 Sept 2021 - May 2025
📍 Vancouver, BC
🎓 GPA: 3.87/4.00

Awards
- Dean's Honour Roll
- BC Achievments Scholarship

CERTIFICATIONS

- Google Cloud Professional Cloud Architect
- NVIDIA Building RAG Agents with LLMs

PROJECTS

Blockchain Development
- Designing and implementing a custom blockchain from scratch

RISC Machine
- Using VHDL and an FPGA to design and test a simple RISC machine from scratch

Conversational AI Assistant
- Inspired by JARVIS from Iron Man, this multi-modal project leverages, tts, llm, and speech recognition models using OpenAI, Groq and Whisper's API

WORK EXPERIENCE

AI Training
Outlier
📅 April 2024 - current   📍 Remote
- Collaborated with organizations like OpenAI, to enhance AI-generated code by providing high quality, accurate training data.
- Developed and contributed code-related training data, writing functional and efficient code across multiple programming languages.
- Automated rigorous quality checks, estimated response scores, and AI-powered critiques by developing a Python script, ensuring 100% conformity to strict standards.

Teaching Assistant
University of British Colombia
📅 September 2023 - April 2024   📍 Vancouver, BC
- Facilitated undergraduate courses for Math 100 and Math 101, enhancing students' understanding and proficiency in foundational mathematics.
- Assisted in grading examinations, providing timely and constructive feedback to support student learning outcomes.
- Organized tutorials for over 100 students and developed math animations using Manim to supplement their learning experience.

Software Developer Intern
Trafalgar Luxury Group
📅 April 2023 - August 2023   📍 Dubai, UAE
- Utilized Figma for rewards app concept UX design, streamlining the development process.
- Engineered sophisticated web prototypes using Next.js, boosting customer satisfaction by implementing lazy loading for data-heavy requests.
- Conducted comprehensive testing and debugging, ensuring seamless integration of new features and functionalities.

Software Engineer – Backend
Unmanned Aerial Systems (UBC UAS)
📅 September 2022 - April 2023   📍 Vancouver, BC
- Achieved a significant increase in landing accuracy by implementing triangulation calculations for GPS coordinate conversion using pixel location, drone orientation, and altitude data.
- Utilized PyTorch for complex problem-solving, including machine learning techniques for real-time video stream processing.
- Integrated advanced computer vision technologies with Python and OpenCV for color filtration and shape detection.
- Engineered and deployed an Object Detection, Localization, and Classification (ODLC) system for autonomous payload delivery to specified landing pads.