

EDUCATION

PolyU Hong Kong Community College Higher Diploma in Mechanical Engineering Graduated with Distinction Scholarship: Dean's list in Mechanical Engineering	Hong Kong Sep 2020 - Jul 2022
The Hong Kong Polytechnic University Bachelor of Science (Hons) in Computer Science Anticipated graduation: Jul 2026	Hong Kong Sep 2022 - Present

WORK EXPERIENCE

Skygazer Limited Worked on AI projects using supervised learning for sentiment analysis and churn prediction. Built and optimized models with Python, scikit-learn, and TensorFlow, handling data preprocessing and tuning. Participated in virtual meetings, code reviews, and team presentations. Used GitHub for collaboration and visualized data with Matplotlib and Seaborn. Authored documentation adopted into the team's knowledge base.	Jun 2025 – Mar 2026
ChatnLearn EdTech Limited (Startup) Software Developer specializing in AI-driven education features for a multilingual platform enhancing oracy skills. Developed real-time STT with Whisper, AI dialogue with OpenAI GPT/LLaMA 2, and TTS with ElevenLabs, integrated with Pipecat, Daily.co, Node.js, and AWS for educational sessions. Awards: 2nd RU, EdUHK AI Ed Competition; HKD 100K, HKSTP Ideation; Champ, CHKEA Shaper 2025; 1st RU, Cambridge x NVIDIA Pitch	Mar 2025 – May 2026

PROJECT EXPERIENCE

AI-Powered System to Automate Detection of Developmental Defects in Zebrafish Embryos (Capstone Project Grade: A) Developed an AI/ML system with Vitargent to automate defect detection in zebrafish embryos using microscopy images. Implemented YOLO for detection and ResNet with transfer learning for classification. Built a Streamlit web interface with batch processing, using PyTorch, OpenCV, and Albumentations.	2026
Secure Driver Behavior Analysis Website Built a secure web app with Flask and AWS (S3, Lambda, API Gateway, Cognito, EMR) to analyze and visualize driver behavior. Implemented real-time speed monitoring with Chart.js and Spark data preprocessing. Integrated TOTP authentication and HTTPS encryption for data protection.	2025

EXTRA-CURRICULAR ACTIVITIES

The Hong Kong Polytechnic University Students' Union in Faculty of Computer and Mathematical Sciences President	Hong Kong Apr 2025 – Apr 2026
Students' Union in Department of Computing Design & Promote	Apr 2023 - Apr 2024

SKILLS

Languages	: Fluent English, Cantonese, and Mandarin
Computer-related	: Proficient in Microsoft Office, SolidWorks, AutoCAD, Adobe Illustrator, Adobe Photoshop, Adobe Lightroom, Unity, Unreal 5, Figma, AWS, Streamlit, Firebase
Coding	: Python, C, C++, C#, JavaScript, Java, React.js, SQL, Node.js, Flask, FastAPI, PyTorch, OpenCV, YOLO, Pipecat-ai