

Fok Chun Yin

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EDUCATION

The Chinese University of Hong Kong

B.Sc. in Computer Science, Data Analytics Stream, Minor in Risk Management

Major GPA: 3.5/4.0

Hong Kong, China

Sept 2023 – July 2027

University Of Alberta

Academic Exchange, Faculty of Science

Term GPA: 3.9/4.0

Alberta, AB

Jan. 2025 – April 2025

EXPERIENCE

Software Developer

May 2024 - Present

ITSC @ Chinese University of Hong Kong

Hong Kong, China

- Collaborated within a team of 4 to develop educational VR games in Unity with web-based backend for medical students' clinical and lab training
- Engineered an AI-powered interviewing tool with an Agentic AI backbone to enhance students' interviewing skills
- Integrated Meta's NLP and other SDKs into Unity Games to train medical students' ability in medical inquiry and diagnosis

AI Engineer Summer Intern

July 2025 - Aug. 2025

IBM

Hong Kong, China

- Collaborated closely with the Client Engineering Team to develop and showcase Proof of Concept solutions using IBM Cloud products
- Worked with a team of 4 to build Agentic AI use cases for insurance-related problems using LangGraph on top of IBM Watsonx AI Cloud service, delivering a compelling hackathon demo for 100+ students
- Architected and developed a scalable backend platform for an Agentic AI solution using the IBM Cloud Suite, supporting two technology enablement events for 50+ attendees in the banking industry.
- Contributed to the full UX development lifecycle of client-facing demos, from information architecture and wireframing to design and development handoff
- Conducted research and experimentation on Graph Neural Network applications to explore their potential for enhancing fraud detection capabilities in financial risk use cases

PROJECTS AND ACTIVITIES

PwC Hackathon Champion - Team Zen1th | *React, Spring, AWS, Docker*

Oct. 2024– Nov. 2024

- Led a team of 3 to develop an Online Exam Cheating Detection Application using React.js, SQL, and Spring, building a robust web platform for the PwC Hackaday Hackathon.
- Integrated Amazon Rekognition for facial detection, leveraging cloud-based AI services to enhance application functionality.
- Gained expertise in building scalable cloud solutions on AWS by deploying Docker-powered EC2 and S3 instances
- Achieved Champion rank among 11 university teams from Hong Kong and Macau

IGEM 2021 | *HTML, CSS, Python, pandas*

Oct. 2020 - Oct. 2021

- Led data collection, labeling, training, and evaluation for a Plastic Bottle Detection Model for drones using Detectron2, achieving a 54% higher mAP than the benchmark to combat plastic pollution.
- Organized public engagement events to raise awareness of microplastics
- Designed and built a responsive website using HTML, CSS, and JavaScript to communicate the year-long project's key objectives and outcomes to a broad audience.
- Awarded the Gold Medal

TECHNICAL SKILLS

Data Analysis & Visualization: Python (pandas, numpy, matplotlib), R (ggplot2), SQL

Development & Tools: Git, Docker, Amazon Web Services (EC2, Rekognition), IBM Cloud, R Studio

Frameworks & Libraries: LangChain, LangGraph, PyTorch, React.js, Spring, FastAPI

Languages: Python, SQL, C/C++, Java, TypeScript/JavaScript, R