

Farhan Yusuf Khan

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EDUCATION

The University of Hong Kong, Hong Kong
Bachelor of Engineering in Computer Science

Sep 2022 - Jun 2026
CGPA: 3.30

- Recipient of HKU Belt and Road Scholarship
- **Relevant Coursework:** Applied Deep Learning, Artificial Intelligence, Machine Learning, Operating Systems, Data Structures and Algorithms, Data Science in R, Object Oriented Programming with Java, Database Management Systems, Macroeconomics, Modern Technologies in the World Wide Web

EXPERIENCE

Vidi Labs - Seekr
Technology Intern - Impact Lab

Hong Kong
Feb 2025 - Present

- Enhanced scene detection model through data collection and labeling.
- Utilized manual and automated techniques, including Python-based web scraping and image processing tools to retrieve over 40000 data points.
- Improved accuracy of a device that aids in navigation for visually impaired individuals.
- Conducted in-depth research to support business initiatives, integration of new technology, etc.

Teaching and Learning Innovation Centre, The University of Hong Kong
Student Research Assistant

Hong Kong
Mar 2024 – Present

- Gathered research data for 500+ participants using platforms such as Amazon MTurk and Cloudresearch
- Analyzed gathered datasets with Python technologies and Database Management technologies, ensuring quality control to bolster research initiatives.
- Conducted product testing for web applications in the education technology field.

Radiance Tech International Ltd.
Junior Programmer

Hong Kong
Jun 2024 – Jul 2024

- Implemented dynamic movement and locomotion within a browser based VR environment using Three.js, enhancing user engagement.
- Established seamless client-server communication in a browser-based streaming setup by leveraging Node.js and Typescript technologies.
- Identified and documented bugs for Unity and threejs applications through comprehensive testing procedures.

PROJECTS

(Visit my website for more)

Flight Statistics Web Application

Mar 2024

Designed and developed a web application that retrieves and showcases passenger flight statistics from the Hong Kong Airport Open Data using REST web services.

- Utilized **JavaScript**, **PHP** and **AJAX** communication to fetch data from the REST web service and dynamically update the content.
- Made use of Open Data to gather relevant statistics and present total numbers of departure and arrival flights, unique destinations and origins, special cases, and histograms of flight distribution.

Asset Management Web Application

Feb 2024

Developed a Django-based web application to manage organizational assets, providing user authentication, asset assignment tracking, and profile management features.

- Implemented **user authentication** (login/logout) and role-based access control.
- Utilized Django's **ORM** and templating engine to build a robust and maintainable application.

Cathay World

Nov 2023

A prototype metaverse that uses Unreal Engine and connects to Microsoft OpenAI as part of the Cathay Hackathon.

- Implemented and configured the chatbot using the capabilities of **Microsoft Azure OpenAI**.
- Developed a web application using **Flask** and **javascript** to display this chatbot.
- Used OpenAI APIs to establish communication with Large Language Models.

ADDITIONAL SKILLS AND EXPERIENCE

- **Programming:** Python, C, C++, JavaScript, Typescript, Java, R, HTML, CSS, SQL, PHP
- **Tools:** Pytorch, Tensorflow, sklearn, Matplotlib, Django, MySQL, mongodb, reactjs, nodejs, threejs, expressjs, java.swing etc.
- **Interests:** Football (1st place in interhall competition), Basketball (Captain of Chi Sun College), student leadership