

# Fong Wing SHE

HKUST Final Year RMBI & COSC Student

Self-motivated, enthusiastic about coding, willing to take up responsibilities, and pursuing a career in the field of Machine Learning

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## EDUCATION

### BSc in Risk Management and Business Intelligence + BSc in Computer Science Hong Kong University of Science and Technology

09/2019 - Present

CGA: 3.431

#### Courses

- Deep Learning in Computer Vision
- Software Engineering
- Cloud Computing and Big Data Systems
- Advanced Data Mining for Risk Management and Business Intelligence
- Design and Analysis of Algorithms
- Database Management Systems

## WORK EXPERIENCE

### AI Engineer (Internship) ViAct.ai

04/2021 - 05/2021

#### Achievements/Tasks

- Created a workflow that regularly takes in a directory of images from the local computer into an AI classification model and output the probabilities of a person wearing and not wearing a helmet
- Learnt and used Python Libraries such as onnxruntime, prefect, os, pathlib, numpy, json, etc. to create the workflow

### Computer Vision/Machine Learning Engineer (Internship) PanopticAI Limited

12/2020 - 01/2021

#### Achievements/Tasks

- Assisted the R&D team in product development by creating a synthetic dataset and training an AI classification model
- Provided technical review of relevant R&D materials, including scientific papers, industry reports, and product descriptions

## SELF PROJECTS

### Personal Resume Website (11/2020 - Present)

Used self-learnt HTML5, CSS3, JavaScript, and Bootstrap5 to create a responsive website compatible with all screen size

### Music-Flip Android App (06/2022 - 08/2022)

Co-developed with a RMBI+COSC HKUST graduate for an Android app using Computer Vision to help users flip sheet music with head gesture

## SKILLS

Python

Android

C++

Java

SQL

Excel

Flutter

HTML5

CSS3

PySpark

Bootstrap5

Git/GitHub

JS

React

SQLite

## OTHER EXPERIENCE

### Undergraduate Research Opportunities Program (09/2022 - Present)

- Project: Medical AI Flutter Application
- Responsible for reading medical AI research papers, and writing Flutter code for mobile/web application development

### Final Year Project - Predictive Analytics on Credit Scoring (08/2022 - Present)

- Cooperated with business partner - Spring Milestone, to develop a Dataiku pipeline for automated and interactive binning with credit scoring data

### Undergraduate Research Opportunities Program (06/2022 - 08/2022)

- Research Topic: Evaluation of FinBERT Performance on Multi-Class ESG Classification Task based on the MSCI Framework
- Responsible for ESG data labelling, and fine-tuning 11 machine learning models including FinBERT for performance evaluation using Tensorflow and Pytorch

### Credit Suisse INSPIRE Women in Technology Program (04/2021 - 06/2021)

- Mentored by software engineers from Credit Suisse along the project (TO-DO List Mobile App)
- Learnt JavaScript, React/React Native, Expo, Git/GitLab, and SQLite along with concepts such as sprint & CI/CD within 10 weeks
- Created a mobile app that could validate user login input, and store tasks in a database

### Undergraduate Research Opportunities Program (06/2020 - 08/2020)

- Project: Application of AI-based Technique to Enhance Thermal Comfort Sensing for Smart Air Conditioner
- Responsible for data collection, analyses, and building up knowledge of machine learning models for human activity classification using Tensorflow and Matplotlib Library

## COURSE PROJECTS

### Social Network Mining (04/2022 - 04/2022)

Performed link prediction between 2 users in a social network by training Deepwalk and Node2Vec models using Python libraries such as tensorflow, keras, networkx, etc.,

### Sentiment Analysis (03/2022 - 04/2022)

Ranked the attitude of review data from 1 to 5 by training CNN and RNN models using Python libraries such as tensorflow, keras, and nltk, etc.,