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 Data Science (ML)

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🖱 cinnieshe.github.io/Personal-Resume-Website/

○ github.com/cinnieshe

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

- Cloud Computing and Big Data Systems
- Software Engineering
- OOP and Data Structures
- 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 · PySpark · C++ · Java · SQL · Excel · Tensorflow · Keras · HTML5 · CSS3 · Flutter · Bootstrap5 · Git/GitHub · JS · React · SQLite

OTHER EXPERIENCE

Final Year Project - Predictive Analytics on Credit Scoring (08/2022 - Present)
- Closely 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 model including FinBERT for performance evaluation

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 model for human activity classification using Tensorflow and Matplotlib Library

COURSE PROJECTS

COVID-19 Big Data Analysis (04/2022 - 05/2022)
Used PySpark with Databricks to conduct descriptive analysis on global COVID-19 data

Power Plant ML Pipeline (04/2022 - 04/2022)
Used Spark SQL & PySpark with Spark ML Pipeline to predict power output given a set of environmental readings from various sensors

AWS EC2 Measurement (03/2022 - 03/2022)
Used SysBench, iPerf, and Ping to measure the CPU, memory, and network performances of different AWS EC2 instances

Sentiment Analysis (03/2022 - 04/2022)
Used Python, with libraries like tensorflow, keras, nltk, etc., to rank the attitude of review data from 1 to 5 using ML models like CNN or RNN