Caryn Su Li Ooi

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Personal Website: https://carynooi.github.io/caryns_profile/

I am fast-learner passionate about technology and committed to continuous learning. I strongly believe that effective communication and teamwork as essential components of success, with a focus on fostering collaboration to achieve shared goals.

EDUCATION

MSc Computer Science Sep 2022 – Dec 2023
University College Dublin
Relevant Modules: Computer Architecture, Networks and Internet System, Relational Database System, Web Development, Data Structure and Algorithm, Cloud Computing

WORK EXPERIENCE

KYC Analyst (Amazon) Nov 2021 – Aug 2022

- Identified two specific fraud patterns and contributed to the identification of bad actor trends.
- Participated in deep-dive projects with data analysis for fraud trends identification.
- Achieved >=100% productivity and accuracy each period, with a 0% defect rate after three months in the role.

PROJECT EXPERIENCE

InPeace Web Application Jun 2023 – Aug 2023

A website that shows places' recommendations in Manhattan based on the preferred busyness.

- Collaborated in the development of a microservices web application using **Docker** containerisation tool.
- Designed and developed APIs using **Python** with the **Flask** framework.
- Leveraged PostGIS in **PostgreSQL** on **Google Cloud SQL** to optimise the handling of geographic data.
- Implemented automated Docker image builds and facilitated continuous integration with GitHub Container Registry, achieving a **50%** reduction in local resource consumption.
- Deployed the web application on **Google Cloud Platform** server using docker-compose.

Covid-19 Death Prediction Analysis Jan 2023 – Mar 2023

A data analysis and data prediction project that predicts the death risks of Covid-19 based on the Centers for Disease Control and Prevention case records.

- Performed data analysis and visualisation using **Python's pandas** for data understanding and preparation for the problem domain and dataset.
- Trained a random forest machine learning model and evaluated its performance which achieved **92%** accuracy.
- Optimised the model by employing feature selection techniques to focus on the most impactful attributes and achieved a **95%** reduction in processing time without affecting the accuracy.

SKILLS

Skillset: Python, JavaScript, Java, MySQL, Git, Agile methodology, Linux

Certification: AWS Certified Cloud Practitioner, PRINCE2 Foundation in Project Management