Caryn Su Li Ooi

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

A Computer Science graduate that has high interest in the technology space. Interested in exploring how technology could be incorporated into business operations to increase productivity, especially in the cloud space. A team collaborator and enjoyed working with people from different backgrounds that brings different skills.

EDUCATION

MSc Computer Science Sept 2022 – Dec 2023
University College Dublin | CGPA: 3.78
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 2 specific fraud patterns and contributed to the identification of bad actor trends.
- Participated in deep-dive projects and uses Python pandas for 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 with Docker containerisation tool.
- Designed and developed APIs using Python and 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 an impressive 50% reduction in local resource consumption.
- Deployed the web application on GCP 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 preparation for the problem domain and dataset.
- Trained a random forest machine learning model and evaluated its performance through cross-validation, which achieved 92% accuracy in prediction.
- Optimised the model by preserving only the 12 most important features 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