LEMUEL LEE

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EXPERIENCE

Student Teaching Assistant
The University of Hong Kong
Sep — Dec 2023, Sep 2021 — Jun 2022

Led weekly labs, gave coursework feedback, and prepared teaching materials

Courses: ENGG1340 Computer Programming II   85 students
          ENGG1330 Computer Programming I   45 students
          COMP1117 Computer Programming   17 students

Topics: C/C++, Python, algorithms, data structures, shell, separate compilation

Modeller Intern
Low Carbon Contracts Co., London
May — Aug 2023

Contributed to a PySpark energy market forecasting model that supports Contracts for Difference, the government's main mechanism to encourage low-carbon electricity generation

Architected distributed machine learning infrastructures on Databricks to model interconnectors and pumped storages

Implemented Monte Carlo simulation of forward Baseload Market Reference Price

Question Writer & Programmer
Shatin Pui Ying College, Hong Kong
Jul — Aug 2022, Mar — Aug 2021

Authored Mathematics and Physics questions in an in-house domain-specific language for generating typesets, graphs, and 3D graphics

Featured on SING TAO DAILY, oldest and second-largest HK Chinese newspaper

Full Stack Developer
Shatin Pui Ying College, Hong Kong
Jun — Aug 2022

Architected and developed a multi-user end-to-end e-ticketing solution

Automated and optimised event scheduling and staff allocation tasks

EDUCATION

The University of Hong Kong
Sep 2020 — May 2024

B.Eng. Computer Science

Minor — Sustaining Cities, Cultures, and the Earth

Elective Focus — AI & Robotics

Thesis — Graph Representation Learning on International Electricity Market

Faculty Peer Mentor

Staff-Student Consultative Committee student representative

Royal Holloway, University of London
Jan — May 2023

Study Abroad, Computer Science

HKU Worldwide Undergraduate Student Exchange Scholarships

SKILLS

Programming Languages   Python   R   C/C++   C#   Java   Haskell   Scala   TypeScript   LaTeX   SQL

Data Science & Machine Learning   Databricks   PySpark   Sklearn   Pandas   PyTorch

DevOps   Azure   Git   Jira   Maven

Natural Languages   English   Cantonese   Mandarin