Clifford Chan

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AIMS

Recent MEng graduate in Electronic and Information Engineering from Imperial College London with a strong foundation in data science, machine learning, and software development. Proficient in Python, SQL, and modern ML frameworks, with experience delivering real-world solutions through collaborative, data-driven projects. Eager to apply analytical skills to drive business insights and support product innovation in a fast-paced and collaborative environment.

EDUCATION

Imperial College London   Oct 2021 – June 2025
MEng Electronic and Information Engineering   *Grade: 2:1*
- *Relevant modules:* Topics in Large Dimensional Data Processing, Deep Learning, Machine Intelligence in Finance, High Level Programming, and ML for Imaging

Royal Grammar School, High Wycombe   Sept 2019 – June 2021
A Levels (Maths, Further Maths, Physics & English Literature)   *Grades: A*A*A*A*

SKILLS

Programming Languages: *Python, HTML/CSS/JavaScript*

Machine Learning Tools: *TensorFlow, PyTorch, scikit-learn, NumPy*

Development tools: *GitHub, Docker, React, Firebase, Ubuntu, Jupyter Notebook*

Data Management: *SQL, NoSQL, R*

PROJECTS & EXPERIENCE

Rabbit Hole Detector - Sundai Hackathon | *Python, VSCode*   22 June 2025
- Preprocessed and analysed user search history data to identify obsessive patterns of behaviour.
- Designed frontend interface to visualise behaviour and provide diagnostic feedback with an LLM.

Group Consultancy Project - Oshen | *Python, TensorFlow, NumPy, scikit-learn, Colab*   May – June 2024
- Developed an embedded ML system to support sustainable marine industrial planning through cetacean detection.
- Processed raw underwater audio data into labeled spectrograms for training and evaluation.
- Designed and optimised lightweight ML models, achieving 85% classification accuracy on preprocessed data.
- Deployed models onto STM32 microcontrollers for real-time, edge inference.
- Delivered a robust solution integrated into the client's product for use in marine environments.

MEng Final Year Project - Superclass Routing Network | *Python, Jupyter Notebook*   Jan – June 2025
- Designed and evaluated a biologically inspired machine learning architecture with robust resource scaling capabilities.
- Identified and analysed a conflict in objective functions between the central router and submodules.

Weather Station | *Python, Firebase, HTTP/CSS/JavaScript, React*   February 2024
- Designed a weather monitoring device with a React frontend and Firebase backend.

Forage - Accenture Data Analytics and Visualisation | *Certificate*   Sept 2024
- Completed practical program on visualising business data and communicating insights with a presentation.

EXTRA-CURRICULUM

DramSoc | *Producer, Actor, Assistant Lighting*   Nov 2024 – June 2025
- Involved in multiple student run theatrical productions in varying capacities, showcasing leadership and team management.

ICSF Wyrmtongue | *Chief Editor*   Oct 2023 – June 2025
- Published and promoted the society's biannual science fiction newsletters.

Shooting Star Foundation Datathon | *Participant*   Oct 2024
- Participated in a "Tech for Good" data science hackathon organised by ICDSS.