Leong Vincent Wai U

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EDUCATION

University College London — London, United Kingdom
Masters of Engineering in Computer Science — *Sep 2018 – Jun 2022*
- **Grades**: Achieved scores expected to equate to a First Classification in the first three years.
- **Modules**: Object Oriented Programming, Logic and Databases, Algorithms, Compilers, Software Engineering, AI and Neural Computing, Computer Systems, Machine Learning and Neural Computation, Networked Systems, and more.

Macau Anglican College — Taipa, Macau SAR
Cambridge International Education International A-Levels — *Sep 2003 – Jun 2018*
- **A-Levels**: A* in Maths, Physics, and Chinese; A in Chemistry and IT; B in Adv. Maths and English Language.
- **IGCSEs**: 10 IGCSEs including Biology, Business Studies, Advanced Mathematics, achieving 6 A* 4 A grades

WORK EXPERIENCE

UCL-Bentley Collaboration — London, United Kingdom
Research Assistant — *Jun 2021 – Nov 2021*
- **Sensor Streaming Dev**: Using newly created and existing sensors to stream real time environmental data to a purpose built server as a proposed feature for Bentley Motors for implementation.
- **Machine Learning**: Implementing a Machine learning algorithm for users of their cars to make recommendations that would improve comfort from monitoring their surroundings, based on research on passenger comfort.

D&C Consulting Limited — Macau, Macau SAR
Temporary Developer — *Jul 2020 – Aug 2020*
- **Enterprise Development**: Experienced working with large scale enterprise projects for a government department and the necessary redundancies. Went through the process of agile development and test-based development.
- **Java Backend API**: Exposure and experience in developing complex Backend API in Java for Web applications required to be deployed in production using multiple dependent frameworks.

University College London — London, United Kingdom
Research Intern — *Jun 2019 – Sep 2019*
- **Natural Language Processing**: Investigated methods to improve learning of Word Embeddings in Natural Language Processing, allowing for words and its context to be learned more quickly without losing accuracy.
- **Research Experience**: Insight on research methodology and current state-of-the-art algorithms detailed within published research papers. This allows for an understanding of current capabilities, challenges and future of NLP.

PROJECTS & EXPERIENCE

Text Representation & Event Detection — London, United Kingdom
Undergraduate Research Project — *Oct 2020 – Mar 2021*
- **Event Detection**: Partipation in KORTED development, a real-time event detection system. Contributed in event detection research, algorithm implementation, as well as evaluation. Detects 88% of events within 5 min.
- **Representation Learning**: Researched and prototyped representation learning of social media text using state-of-the-art techniques, which its form was used as the basis for further research into the project.

CarefulAI: Second Year Project — London, United Kingdom
Multi-platform Desktop Application — *Oct 2019 – Apr 2020*
- **Electron Framework**: Programming an accessible interface for a command only API that could be run on multiple platforms through the use of Electron firmware, used by medical teams for speech analysis.

UCL Technology Society — London, United Kingdom
Treasurer — *Sep 2019 – Mar 2020*
- **Organisational Management**: Gained the ability to organise sizeable operations, to keep things running and to tackle management problems which can come in unexpected timing for various public events.

PROGRAMMING SKILLS

- **Programming Languages**: Python, JavaScript, Haskell, C, SQL, Java, LaTeX, Shell Scripting
- **Technologies**: AWS, Azure, Node.js, React, Electron, Flask, Virtualisation, Docker, MySQLWorkbench, Git, Machine Learning, Natural Language Processing, Linux
- **Spoken/Written Languages**: English, Cantonese, Mandarin, Japanese