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**: Graduated with First Class Honours, with over 74 weighted average marks.
    - **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**: Deployed newly created temperature sensor and existing Notch movement trackers to stream real time environmental data for purpose built server designed for proposed new feature in Bentley Motors.
    - **Machine Learning**: Implemented a Neural Network algorithm for users of cars to make recommendations would improve comfort from monitoring 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 government departments and necessary redundancies required in such projects. Went through process of agile and test-based development.
    - **Java Backend API**: Exposure and experience in developing complex Back-end API in Java for Web applications required to be deployed in production operating 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**: Received insight on research methodology and current state-of-the-art algorithms detailed within published research papers. Achieved 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 minutes.
    - **Representation Learning**: Researched and prototyped representation learning of social media text through state-of-the-art techniques, and formed basis of further insight as project progresses.
- **CarefulAI: Second Year Project** — London, United Kingdom
  Multi-platform Desktop Application — Oct 2019 – Apr 2020
    - **Electron Framework**: Created an accessible interface for command only API could be run on multiple platforms through use of Electron firmware, used by medical teams for speech analysis.
- **UCL Technology Society** — London, United Kingdom
  Treasurer — Sep 2019 – Mar 2020
    - **Organisational Management**: Managed operations of sizeable events, to keep things running and to tackle management problems 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