

Wong Yik Ming, Vincent

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EDUCATION

BSc Computer Science – University of Bristol

Sep. 2018 – June 2021

First Class Honours

- Third Year Units: Advanced Algorithms, Machine Learning, Image Processing, Cryptology, High Performance Computing
- Developed a **kernel** for an ARM processor, capable of executing programs concurrently in virtual memory, through **critical analysis** on kernel designs and **concurrent algorithms**.
 - Achieved **2nd runner-up** out of 13 teams in a competition to design an AI to play the board game “Scotland Yard”, which our submission beats 80% of real players, implemented in **Java**, using **design patterns** and **data structures**. Also implemented Dijkstra’s **algorithm**.
 - Participated in **team programming challenges**, Google Hash Code, BAE Capture the Flag
 - Committee member of the Orienteering Society and Hong Kong Public Affairs and Social Service Society

A-levels – King Edward VI College, Stourbridge

Sep. 2016 – Jul. 2018

- **A* and 4As**, including A* in Math, and A in Computer Science, Further Math, Economics and Chinese
- Subject award in Computer Science, created a meeting scheduler platform for my individual project, using **Python**.

Technical Skills

- Web development: **JavaScript**, Vue.js, **SQL**, SEO, Cybersecurity
- Machine Learning (*progressing*), using **Scikit-Learn**, **TensorFlow**

WORK EXPERIENCE

Moovup. – Developer Summer Intern

Jul. 2020 – Aug. 2020

- Revamped the **UI** for an internal system that increases operational efficiency, as measured by a positive satisfaction from other colleagues, by striving to improve the **UX** continuously based on user feedbacks and requirements.
- Developed the **full-stack** application of the new internal system, with a reduced load-time by 78%, using **Vue.js** and **Bulma** for frontend development, **Clojure** for backend development, and **GraphQL** for **API** endpoints.

Moovup. – Software QA (Quality Assurance) Summer Intern

Jul. 2019 – Sep. 2019

- Delivered software **QA** within agile development, reported over 100 bugs within two months, which has enabled the team to launch the new app on time, by carrying out **integration tests** and delivering bug reports in daily stand-up meetings.
- Implemented **unit testing** for backend using **Clojure**, which has increased test coverage from 30% to 70%.

University of Bristol Student Laptop and Mobile Clinic – Technician

Sep. 2019 – Present

La Salle College IT Club – Chairman

Aug. 2015 – Sep. 2016

- Organized number of Hour of Code workshops for classmates

PROJECTS

MATLAB mini-drone competition

Aug 2019 - Oct 2019

- Designed a line following algorithm for a drone, using Simulink, which competes for the 4th during the final round, where we optimized the algorithm in tight time constraints.

ACHIEVEMENTS

Gold certificate – UK Senior Mathematical Challenge

November 2016

Bronze award – The Hong Kong Olympiad in Informatics

2014/15

INTERESTS

- Orienteering (Sports), Photography, Skiing, Volunteering, Innovate