Ka Lok Chau

Request for References

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About Me

Undergraduate, third year, student at the University of Manchester currently studying Bsc Computer Science. Have an enthusiasm for software development and am excited about the opportunity to work in challenging projects. Particular interests in hardware, artificial intelligence, web design, data analytics and software development.
My Personal Website: https://programmer-sam.github.io/web.html

Experience & Projects

Nomura - Developer Experience • Work Experience • Industrial Placement   *London* • *June 2023-July 2024*
- Role in **engineering & support** for our **Jira & Confluence** external enterprise tools
- Further experience in **groovy & scripting** for Atlassian products
- **Full stack web developer**: React, NodeJS, MySQL, Express, PUG

Machine Learning Project • Extended Project Qualification   *A-levels* • *Sept 2019-April 2020*
- Coded a Q-Learning algorithm and driving game that was a suitable environment for a reinforcement learning program
- Learnt the fundamental concepts behind reinforcement learning and was able to grasp several primitive mathematical equations that are critical in the development of the reinforcement learning paradigm
- **Grade: A***. Cumulative score from a **presentation, coded artefact and long write-up documentation** of the progression and design choices.
- **Technical Skills:** Python
- **Soft Skills:** Time Management, Presentation skills, Academic Researching/Referencing, Documentation.

Web Application • Group Project   *University* • *Jan 2022 - June 2022*
- Small group project which involved designing a website and utilised a database to provide enhanced functionality
- Developed a web app which could find local restaurants and display them to the user to swipe through
- Took a crucial role in managing the database while also aiding front-end design and understood the complexities of a client/web-server connection to an external DB hosted by the University
- **Technical Skills:** HTML, CSS, JavaScript, SQL, Git, Python(Flask)
- **Soft Skills:** Team Work, Leadership, Time Management, Presentation Skills, Database Management

Recreation of the Asteroids Game • A-Level Project   *A-Levels* • *Jan 2020 - June 2020*
- Designed and programmed a game which resembled a retro-asteroids game.
- Required, by the course, to follow an agile development cycle which heavily revolved around testing and review from stakeholders
- Develop my skills in: object oriented design, in-depth documentation, graphical user interface designs and programming complicated mathematical formula's
- **Technical Skills:** Python
- **Soft Skills:** Documentation, Team work, Time Management

Education

University of Manchester • BSc Computer Science   *Manchester, UK* • *Sept 2021 - Current*
- **First Year Modules (Cumulative Grade - 74%):** Fundamentals of Computer Engineering, Fundamentals of Computer Architecture, Programming, Fundementals of Computation, Data Science, Operating Systems, First Year Team Project, Mathematical Techniques of Computer Science
- **Second Year Modules (Cumulative Grade - 76%):** Logic and Modelling, Processor Micro-Architecture, Database Systems, Software Engineering, Microcontrollers, Introduction to visual computing, Distributed Systems, Programming Languages and Paradigms, Algorithms and Data Structures

Wilson's School • A-Levels   *London, UK* • *Sept 2019 - July 2021*
- **Passed with A*:** Further Mathematics, Mathematics, Computer Science, Geography

Raynes Park High School • Secondary School   *London, UK* • *Sept 2014 - July 2019*
- **Passed with Grade 9:** Biology, Chemistry, Physics, English Literature, History, Mathematics, Computer Science
- **Passed with Grade 8:** English Language, Geography

Skills

Programming: **Proficient in: Python, Web Design(HTML,JS, CSS, PHP)**, Java, ARM, Verilog
Miscellaneous: Linux, Git, Microsoft Excel, Latex, **Languages: English, Cantonese (General Proficiency)**