EASON WONG

✉ wong.eason@outlook.com   🔗 ea3onwong.github.io/

⭕ github.com/ea3onwong   🔗 linkedin.com/in/wongeason

EDUCATION

The University of New South Wales   **Sydney, Australia**
Bachelor of Science in Computer Science & Bachelor of Economics   *February 2020 – January 2024*

- Relevant Courses: Data Structures and Algorithms, Object Oriented Design and Programming, Algorithms and Programming Techniques, Database Systems, Advanced C++ Programming, Software System Design and Implementation
- Awards: Bronze Honor in Asia International Mathematical Olympiad Open Contest Trail (HKMO & AIMO OPEN)

PROFESSIONAL EXPERIENCE

iOS Developer Intern   **Sydney, Australia**
FoodCLUB   *June 2023 – October 2023*

- Implemented a short-form video feature in **SwiftUI**, using a custom video player that encapsulates AVKit's capabilities for refined video playback and switching controls
- Developed a dynamic story feature with automated content progression and tap-to-navigate controls, and supported by fluid 3D transition animations for responsive user navigation
- Established an API network environment, integrated APIs into the frontend of the user profile page and efficiently managed the caching for real-time data fetching

Software Engineer Intern   **Hong Kong**
Rouge International   *February 2022 – April 2022*

- Rebuilt approximately 30% of search engine's frontend in **Bubble**, enhancing accessibility of market information for over 30,000+ venture capital firms
- Conducted comprehensive API testing to ensure accurate extraction of LinkedIn user profile information, resulting in improved data reliability and integrity
- Collaborated on backend troubleshooting, issue debugging, and data cleaning using **Python** to increase search engine system usability and stability

STEM Course Tutor   **Hong Kong**
Rays Technology Limited   *December 2021 – February 2022*

- Implemented the "IT Innovation Lab in Schools" program proposed by the HKSAR government, successfully creating and launching government-approved STEM courses for local secondary schools
- Researched, analysed, and customized STEM course materials for local secondary schools, meeting their specific needs with accuracy and up-to-date content
- Integrated trending technologies like Python Programming, NFTs, and AI Chatbots into the curriculum, equipping students with sought-after skills for the dynamic digital landscape

RELEVANT PROJECTS

Book Recommendation System
https://github.com/ea3onwong/Book-Rec

- A book recommendation system using **React.js**, **Python/Flask** and **MongoDB**, enabling user to access a vast collection of books, contribute book reviews, and receive personalized book recommendations
- Implemented a dynamic book search feature with Google Books API, allowing users to perform precise targeted searches based on either book titles or author names
- Adapted and synthesized existing algorithms to construct a recommendation model that utilizes users' recent reading history and preferences to generate personalized book recommendations

Path Finding Visualiser
https://github.com/ea3onwong/path-finding-visualiser

- A pathfinding visualiser is a tool developed in **Python**, which allows users to visualise how the algorithms search for the shortest path between two points on a grid
- Designed an intuitive interface enabling users to create customized mazes for doing algorithmic navigation
- Implemented four different pathfinding algorithms, offering users multiple efficient options for path searching

SKILLS

- Programming: Python, C/C++, Java, JavaScript, HTML/CSS, Swift, MongoDB, PostgreSQL, R, Git
- Software   Figma, Unity, MS Office
- Languages: English, Cantonese, Mandarin