Jason Hon

Software Engineer

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About Me

Programming Languages Java, Python, C, C++, JS, TS, Scheme, CSS, SCSS, HTML
Technologies Git, NodeJS, Unix/Linux, React, AngularJS, MySQL, MongoDB, Express, Flask
Fluent in English, Cantonese, Mandarin
Availability May 2024 to August 2024

Work Experience

Bonumcare — CSS, HTML, and JavaScript
Software Developer, Contract Part-time   Hong Kong (Summer 2023)

- Developed a **GPT-3** based "Conversation Buddy" to chat with lonely elderly individuals
- Implemented a RESTful API on an **Express** server to send and receive over 300 messages daily
- Collaborated closely with the client to gather feedback and implement changes accordingly

Other Experiences

Portfolio Website — React, HTML, CSS   (Feb 2024 - Present)

- Built a Responsive and Interactive Portfolio Website with **ReactJS**
- Implemented a clean and responsive design that delivers an engaging experience across desktops, tablets, and mobile devices.

Assignment Planner — MongoDB, Express, Angular, NodeJS   (Sept 2023 - Present)

- Created an assignment planner for UWaterloo students using the **MEAN** stack
- Built **RESTful APIs** with **Express.js** for storing and updating tasks
- **Integrated third-party APIs** (e.g. Google calendar and notification) to enhance functionality

SLMod — Java, Flask, MongoDB, HTML   (July 2022 - August 2023)

- Produced a portable .jar QOL game modification used by over **40** users daily
- **Led a team of three developers** to develop a backend **Flask** user-tracking system
- Created an online dashboard with **HTML, CSS** to visualize **over 6800** logged user log-ons

Boulder Solver — Java   (Nov 2021 - Mar 2022)

- Developed a solver that solves complex boulder puzzles in the requirements of a client
- Engineered a **DFS** algorithm that solves any 7x7 boulder puzzle in under **100ms**
- Constructed an interactive **Java** Swing UI to display the most optimized path and provide hints

Content Creation   (March 2022 - May 2023)

- Produced video content for a broad audience of an average of **60,000** viewers on YouTube
- Negotiated and finalized strategic partnerships with multiple sponsors (e.g. **Plarium, Akrew**)
- Conducted A/B Testing on thumbnails to increase audience click-through rate

Education

University of Waterloo   Waterloo, ON (2023–Present)

- Honours Bachelor of Mathematics (Planning to transition to Computer Science in late 2025)
- Cumulative Average: 88.4% (GPA: 3.9)
- Honours: Dean's Honours List, Term Distinction, Presidential Scholarship of Distinction
- Relevant Coursework: Designing Functional Programs (97%), Algorithm Design and Data Abstraction, Tools and Techniques for Software Development

Canadian International School of Hong Kong   Hong Kong (2021 - 2023)

- International Baccalaureate Diploma: 40/45
- Cummulative Average: 97%
- Awards: Merite scolaire de 'Ontario, Maple Leaf Award
- Relevant Coursework: Object-Oriented Programming (IB)