Ka Wai XU

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Education

The Chinese University of Hong Kong (CUHK)　　　　　　　　Sep 2023 - Jul 2027
Bachelors in computer science
- Currently in Year 3
- Focus areas: Web development, full-stack applications, and software engineering
- Relevant coursework: Data structures, algorithms, software engineering, database design
- CGPA: 3.281

Chan Sui Ki (La Salle) College　　　　　　　　　　　　　　Sep 2017 - Jul 2023

Professional Experience

Gotta GO! Sustainable Explorer Challenge, Hong Kong Express　　Feb 2025 – Mar 2025
Participant
- Sustainability innovation challenge

Air Traffic Management Department, Civil Aviation Department　　Jul 2025 - Aug 2025
Technical Support Intern
- Developed and implemented a VBA-based tool to automate performance analysis tasks in air traffic management, reducing manual work for senior staff and automatically generating charts and visual reports
- Built an internal AI assistant (ICAO Chatbot) using Dify to perform local network document search with Retrieval-Augmented Generation (RAG), enabling staff to quickly query and retrieve relevant internal information

Projects

Interactive Voting Platform
- Developed an engaging voting application featuring animated glow effects and real-time updates
- Implemented password-protected voting with mobile-responsive design for seamless user experience
- Utilized real-time data synchronization and interactive animations for enhanced engagement

Interactive Voting Platform
- Built a digital scoreboard application for tracking scores, wins, and complete game history
- Implemented dealer tracking and automatic payout calculations to streamline game management
- Features persistent data storage and intuitive user interface for gaming groups

Interactive Voting Platform
- Created a real-time platform showcasing cultural events across Hong Kong
- Integrated Google Maps API for location-based event discovery and visualization
- Designed interactive UI with responsive layout for desktop and mobile devices

Technical Skills

Languages: JavaScript, Python, HTML, CSS, Java, SQL, C, Java, VBA

Frontend: React

Backend: Node.js, Express.js, RESTful APIs, database management (e.g. MongoDB)

Tools & Technologies: Google Maps API, Git, GitHub, Firebase, Vercel, Dify

Other Skills: Clean code practices, Real-time data handling, Vibe Coding, Responsive web design