Yusheng Chu

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EDUCATION

Bachelor of Computing, Queen's University, Kingston ON   Expected graduation 2026
- Computer Science with a focus on AI
- GPA: 3.8
- Placed on the Dean's Honour List: Recognized for academic excellence.
- **Relevant Coursework**: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Database Management Systems, Operating Systems, Software Engineering Technical Skills

SKILLS

Programming Languages: Python, Java, C/C++, R, JavaScript, SQL
Web Technologies and Frameworks: HTML, CSS, Flask, React, Node.js, Figma
Databases: SQLite, MySQL
Testing Frameworks: unittest, Selenium
Tools and Platforms: Git, VS Code, PyCharm, Eclipse, Matlab, Visual Studio, Windows Powershell, Mac Terminal
Language: English, Mandarin

COMPUTING EXPERIENCE

Information Technology Support Engineer Intern,   *Guangzhou, China*
SHEIN Ltd.   June 2– Aug. 2024
- **Equipment Maintenance:** Responsible for daily maintenance and scheduled upkeep of computers, projection systems, and multimedia systems, ensuring smooth operation and resolving related technical issues.
- **Software Management:** Implemented multimedia teaching software setup, updates, configuration, and maintenance to ensure software environment meets working requirements.
- **Fault Handling:** Conducted effective fault analysis on computers and projectors to address and resolve technical issues, minimizing teaching interruptions.
- **Technical Support:** Provided support by setting up and maintaining projection systems and remote printing.
- **System Optimization:** Assisted in improving the efficiency and stability of working devices by identifying and solving technical bottlenecks.
- **Network Security:** Monitored network equipment and implemented a data backup and recovery plan to ensure network security and data reliability.
- **Document Management:** Updated manuals for multimedia system usage, enabling faster troubleshooting.

SOFTWARE DEVELOPMENT PROJECTS

Airline Ticket Booking Website   Oct. 2024 – Dec. 2024
- Developed a full-featured airline ticket booking website using **Python**, **Flask**, and **SQLite**.
- Implemented user authentication functionalities including sign up, log in, and password reset with secure hashing.
- Enabled users to search flights, book tickets, make payments, and cancel bookings through an intuitive interface.
- Integrated payment processing simulation to handle transactions securely.
- Conducted comprehensive testing using **unittest**, **integration tests**, and **Selenium** to ensure reliability and accuracy.
- Optimized **database queries** and application logic, improving page load times by 40%.
- Deployed the application on a local server for demonstration purposes.

Personal Web Page   Jan. 2023 – Apr. 2023
- Developed a personal website using **HTML**, **CSS**, and **JavaScript** to showcase portfolio and projects.
- Implemented responsive design for compatibility across various devices and screen sizes.
- Integrated backend functionalities using **Node.js** and **Express.js** for form submissions and data handling.
- Deployed the website on Google Cloud Platform, ensuring high availability and scalability

Gomoku Game Development   Sept. 2023 – Dec. 2023
- Created a two-player Gomoku game using **Java** and **Java Swing** for GUI development.
- Implemented game logic and an AI opponent using the Minimax algorithm with alpha-beta pruning.
- Optimized code to enhance performance, resulting in a 30% reduction in processing time.
- Conducted user testing sessions to improve user interface and overall user experience