

# Yusheng Chu

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## EDUCATION

<b>Bachelor of Computing (Honours)</b> , Queen's University, Kingston ON	Expected graduation 2026
<ul style="list-style-type: none"><li>Computer Science with a focus on AI</li><li>GPA: 3.8</li><li>Placed on the Dean's Honour List: Recognized for academic excellence.</li><li><b>Relevant Coursework:</b> Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Database Management Systems, Operating Systems, Software Engineering Technical Skills</li></ul>	

## 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, Cantonese

## COMPUTING EXPERIENCE

<b>Information Technology Support Engineer Intern</b> , SHEIN Ltd.	Guangzhou, China June 2– Aug. 2024
<ul style="list-style-type: none"><li><b>Equipment Maintenance:</b> Responsible for daily maintenance and scheduled upkeep of computers, projection systems, and multimedia systems, ensuring smooth operation and resolving related technical issues.</li><li><b>Software Management:</b> Implemented multimedia teaching software setup, updates, configuration, and maintenance to ensure software environment meets working requirements.</li><li><b>Fault Handling:</b> Conducted effective fault analysis on computers and projectors to address and resolve technical issues, minimizing teaching interruptions.</li><li><b>Technical Support:</b> Provided support by setting up and maintaining projection systems and remote printing.</li><li><b>System Optimization:</b> Assisted in improving the efficiency and stability of working devices by identifying and solving technical bottlenecks.</li><li><b>Network Security:</b> Monitored network equipment and implemented a data backup and recovery plan to ensure network security and data reliability.</li><li><b>Document Management:</b> Updated manuals for multimedia system usage, enabling faster troubleshooting.</li></ul>	

## SOFTWARE DEVELOPMENT PROJECTS

<b>Airline Ticket Booking Website</b>	Oct. 2024 – Dec. 2024
<ul style="list-style-type: none"><li>Developed a full-featured airline ticket booking website using <b>Python</b>, <b>Flask</b>, and <b>SQLite</b>.</li><li>Implemented user authentication functionalities including sign up, log in, and password reset with secure hashing.</li><li>Enabled users to search flights, book tickets, make payments, and cancel bookings through an intuitive interface.</li><li>Integrated payment processing simulation to handle transactions securely.</li><li>Conducted comprehensive testing using <b>unittest</b>, <b>integration tests</b>, and <b>Selenium</b> to ensure reliability and accuracy.</li><li>Optimized <b>database queries</b> and application logic, improving page load times by 40%.</li><li>Deployed the application on a local server for demonstration purposes.</li></ul>	
<b>Personal Web Page</b>	Jan. 2023 – Apr. 2023
<ul style="list-style-type: none"><li>Developed a personal website using <b>HTML</b>, <b>CSS</b>, and <b>JavaScript</b> to showcase portfolio and projects.</li><li>Implemented responsive design for compatibility across various devices and screen sizes.</li><li>Integrated backend functionalities using <b>Node.js</b> and <b>Express.js</b> for form submissions and data handling.</li><li>Deployed the website on Google Cloud Platform, ensuring high availability and scalability</li></ul>	
<b>Gomoku Game Development</b>	Sept. 2023 – Dec. 2023
<ul style="list-style-type: none"><li>Created a two-player Gomoku game using <b>Java</b> and <b>Java Swing</b> for GUI development.</li><li>Implemented game logic and an AI opponent using the Minimax algorithm with alpha-beta pruning.</li><li>Optimized code to enhance performance, resulting in a 30% reduction in processing time.</li><li>Conducted user testing sessions to improve user interface and overall user experience</li></ul>	