

Ivy Cho

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EDUCATION

Western University

London, ON

Bachelor of Science, Honors Specialization in Computer Science

May 2028

- **Related Coursework:** Computing in Python, Object-Oriented Programming, Software Design

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, SQL, Swift, C++

Developer Tools: Git, Slack, Agile, NumPy, Matplotlib, OpenAI API, React, Node.js, Langchain, Excel, Word, Outlook, Powerpoint, Unity, AWS, Slack, PyTorch, Figma, Blender

PROJECTS

Chemistry Tutor AI | *Python, OpenAI API, SQL, Langchain*

- Enhanced student evaluation scores by **13%** through ML trained on personalized tutoring solutions and AP Chem examinations
- Integrated **embeddings to deconstruct complex problems, promoting a better understanding of chemical concepts.**
- Developed AI features to offer dynamic and tailored learning experiences for students.

Pixel Crew | *Java*

- 8-bit style pet-care game with mini-games and customization features
- Engineered mechanics for tracking pet health and happiness using **KeyListeners** and **ArrayLists** to handle game state and user input.
- Conducted thorough **unit testing** to validate game functionality and ensure optimal performance.
- Optimized **asset loading** and event handling for improved runtime efficiency and smoother player experience.

Toco Tea Website | *HTML/CSS, JavaScript, MySQL, Python*

- Designed and implemented a responsive e-commerce platform following **cross-browser** best practices.
- Streamlined user authentication and transaction handling using **Flask** and **MySQL** for secure and efficient backend operations.
- Created technical design documents for database architecture to ensure **scalability** and **data integrity**.
- Integrated **third-party APIS** for payment processing, enhancing functionality, and user experience.

EXPERIENCE

Barista

Sep. 2023 – Present

KungFu Tea

Vaughan, ON

- * Prepared and served 400+ beverages per night, ensuring high-quality taste and presentation.
- * Delivered exceptional customer service, effectively handling customer inquiries and special requests.
- * Maintained a clean and organized work environment, adhering to health and safety regulations

Minister of Communications

Jun. 2023 – Jul. 2024

York Region District School Board

York, ON

- * Represented 135k+ students at assemblies and outreach meetings as 1 of 6 elected executives for York Region's Presidents Council.
- * Collected student voices to advocate for trades curricula, gender-affirming dress codes, and a safe and non-discriminatory learning environment
- * Worked closely with the Safe and Caring Schools team, Board of Trustees, OSTA-AECO, and other school boards