Amanda Xi

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Skills

Languages: Java, Python, JavaScript/Typescript, HTML/CSS, Racket
Frameworks: React, MySQL, Sass, Bootstrap, Java Swing, Pygame, Flask
Tools: Linux Shell, Git, Docker, OpenCV, Adobe Suite (Photoshop, Illustrate, Animate, Premiere Pro), Canva, Vite, Figma

Education

BCS **University of Waterloo, 4.0 GPA**, Computer Science, Sept 2024 - Apr 2029
- **Ted Rogers Future Leaders** Scholarship
- Cheese Club President: Manages executive team and leads club activities, demonstrated strong **interpersonal** and **public speaking** skills.

Projects

Portfolio Site ⧉ Jan 2025
- Skills learned: responsive design, interactive features, site deployment
- Tools Used: **React, Vite, Typescript, HTML, CSS, Figma**

Refyne ⧉ Jan 2025
- UoftHacks 12 project: AI powered behavioural interview feedback and training
- Frontend: **React, Javascript, HTML/CSS**, Backend: **Python, OpenCV, Flask**

Huffman Compression System ⧉ Jan 2025
- Java program to compress files using Huffman frequency encoding
- Developed **data structures** (binary tree, priority queue, linked list) from scratch
- Tools Used: **Java**

VoiScribe ⧉ Sept 2024
- HackTheNorth project: Implemented lip-reading and text-to-speech **API** to create application for speech-impaired individuals
- Tools Used: **Python, OpenCV**

Games 2022 - 2023
- Skills learned: Object-oriented programming, sound design, sprite art
- Tools Used: **Python (Pygame), Java (Swing)**

Work Experience

Kumon, Early Learners Assistant Oak Ridges, ON
July 2023 - June 2024
- Tutored children aged 4-8 in math, reading, and writing
- Exemplified outstanding **adaptability**, **professionalism**, and **problem-solving**

Awards

Governor General's Academic Medal July 2023 - June 2024
- Achieved **highest grade 11/12 average** in RHHS class of 2024

EIPMA Student Film Winner ⧉ June 2024
- Managed production and directed Vaughan Film Festival **1st place short film**

TMU CanHack March 2022
- Executed web/database exploits in HTML & PostgreSQL, **1st place school in Canada**

Other
- Received **level 5** on 3 **AP exams**: English Lit, CSA (Java), CSP
- Waterloo CEMC: Group 5 (**Top 2%**) in Cayley 2022, **Top 25%** in Euclid 2023, CSMC 2022, CCC 2024 Sr
- Successfully completed Waterloo **QSYS 2024** Quantum Computing program

- - Thank you for your consideration - -