Emily Yu

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EDUCATION

University of Waterloo — Waterloo, ON
Bachelor of Applied Science in Computer Engineering — *Sept. 2025 – June 2030*
- Ted Rogers Future Leader Scholarship ($26800), President's Scholarship of Distinction ($2000)

EXPERIENCE

iOS Developer — June 2024 – Aug. 2024
Career Education Council — *Guelph, ON*
- ∗ Developed a functional mental health app prototype in Swift/Xcode featuring mood and physical activity tracking, journaling, and daily affirmations, applying inclusive design and accessibility standards
- ∗ Presented app to industry professionals at a showcase event, highlighting design impact

National Ambassador — Jul. 2024 – Present
Hackergal — *Remote*
- ∗ Led a Canada-wide virtual coding club, teaching Scratch to 10+ middle school girls
- ∗ Supported and prepared participants for the annual Hackergal Hackathon with 300+ attendees
- ∗ Collaborated with ambassadors and women in tech to promote gender inclusivity in STEM

Programming Tutor & Outreach Team Member — Aug. 2024 – Present
CODEify — *Remote*
- ∗ Teach weekly virtual Python and Java lessons to students worldwide and support hackathon project development
- ∗ Drive tutor recruitment and student enrollment through outreach and social media
- ∗ Support classes by hosting sessions, covering absences, and managing attendance

Senior Web Designer — Sept. 2022 – June 2025
Centennial Collegiate Vocational Institute — *Guelph, ON*
- ∗ Designed and maintained website layout and aesthetics to showcase school culture
- ∗ Published and formatted weekly articles and multimedia, regularly updating and organizing site content

Student Council Treasurer — Sept. 2021 – June 2025
Centennial Collegiate Vocational Institute — *Guelph, ON*
- ∗ Managed budgeting and logistics for major school-wide events, including semi-formals and annual assemblies
- ∗ Led monthly fundraisers, coordinated purchasing, and oversaw ticket sales
- ∗ Delegated tasks to 30+ council members, ensuring smooth event execution

Cast Member — July 2022 – Sept 2025
Cineplex Entertainment — *Guelph, ON*

PROJECTS

New Guelph Times Games | *Java*
- ∗ Programmed a modular, object-oriented game suite inspired by The New York Times (Wordle, Connections, Mini Crossword), integrating recursion, search/sort algorithms, and file I/O for scalable gameplay
- ∗ Designed a Java Swing-based GUI with event-driven logic and error handling to deliver an interactive, persistence player experience

Mind Matter | *Swift*
- ∗ Developed a functional iOS app prototype for mental health management, featuring wellness tracking and mood journaling with integrated dynamic UI components
- ∗ Applied MVC architecture and implemented accessibility standards (WCAG) to enhance usability

Personal Portfolio Website | *HTML, CSS, Javascript*
- ∗ Designed and deployed a responsive portfolio website hosted on GitHub Pages to showcase projects and experience
- ∗ Implemented interactive elements and cross-device compatibility to optimize user engagement

Apple-Picker | *Javascript*
- ∗ Built a Pac-Man-style arcade game with modular game logic, event-driven programming, custom movement mechanics, collision detection, and dynamic score tracking

TECHNICAL SKILLS

Languages: Java, Python, C++, Swift, Javascript, HTML/CSS
Libraries: Java Swing, java.util, java.io
Developer Tools: Visual Studio Code, Git, Github, Eclipse, Netbeans, Xcode