

Ethan Yang

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Education

University of Toronto <i>Bachelor of Applied Science in Computer Engineering + PEY Co-op</i>	Expected May 2030 Toronto, ON
University of Prince Edward Island <i>Shad Canada Program – STEAM & Entrepreneurship</i>	Jun 2024 Charlottetown, PEI

Relevant/Expected Coursework: Introduction to Computer Science, Calculus, Data Structures and Algorithms, Computer Organization, Linear Algebra, Probability and Statistics, Software Design, Digital Systems

Collaborated with a team to develop innovative solutions to real-world problems through design thinking, entrepreneurship, and STEM-based workshops.

Engaged in lectures and hands-on projects focused on leadership, sustainability, and technological innovation.

Technical Skills

Languages: C++, Python, TypeScript, Java, HTML, CSS, JavaScript

Libraries & Frameworks: React, Tailwind CSS, Node.js, Flask, OpenCV, NumPy, Matplotlib

Developer Tools: Git, GitHub, VS Code, Visual Studio, Cursor, Linux, Google Cloud Platform

Projects

Stop! Don't Go On! <i>React, TypeScript, Python, Flask, OpenCV</i>	Oct 2025
<ul style="list-style-type: none">GoOnHacks 2025 finalistDeveloped a computer vision accountability app that detects bad habits and intervenes with screen alerts, countdown timers, and math challenges.Integrated optional Arduino hardware with servo-controlled camera tracking and water spray deterrent for physical feedback.	
binder. <i>TypeScript, React, Tailwind CSS, Python, Gemini API</i>	Oct 2025
<ul style="list-style-type: none">Created a Tinder-inspired marketplace browser for Kijiji with a swipe-based React interface and real-time listing updates.Integrated a Python scraper for dynamic data collection and leveraged the Gemini API for AI-powered price evaluation.Built responsive, maintainable UI components and managed application state efficiently using TypeScript and Tailwind CSS.	
Stock Price Simulation and Risk Analysis <i>C++, Python, NumPy, Matplotlib</i>	Sep 2025
<ul style="list-style-type: none">Built Monte Carlo simulations to model Geometric Brownian Motion and forecast stock price paths.Visualized simulation outputs and return distributions using Python libraries for analysis and reporting.	

Awards

Faculty of Applied Science and Engineering Admission Scholarship <i>University of Toronto</i>	2025
DECA ICDC Qualifier <i>DECA</i>	2025
Canadian Senior Mathematics Contest (CSMC) – Distinction <i>University of Waterloo</i>	2024
Volleyball Canada Nationals – 2nd Place <i>Toronto Thunderbolts Volleyball Club</i>	2022
Pascal Mathematics Contest – Honour Roll <i>University of Waterloo</i>	2022

Experience

Barista <i>Cotti Coffee</i>	Jul 2025 - Aug 2025 Markham, ON
<ul style="list-style-type: none">Provided customer service and prepared beverages in a fast-paced environment.Collaborated with team members to ensure efficient daily operations.	
Volleyball Coach <i>Toronto Thunderbolts Volleyball Club</i>	Sep 2021 – Aug 2025 Markham, ON
<ul style="list-style-type: none">Assisted in training and mentoring youth athletes.Supported team organization and game-day preparation.	