Ethan Yang

647-336-9608 | ethn.yang@mail.utoronto.ca | linkedin.com/in/ey6 | github.com/e-yang6 | ethanyang.dev

EDUCATION

University of Toronto   Toronto, ON
*Bachelor of Applied Science in Electrical & Computer Engineering + **PEY Co-op***   *Sep. 2025 – May 2030*

TECHNICAL SKILLS

Languages: C/C++, Python, Java, JavaScript, TypeScript, HTML/CSS, MATLAB
Frameworks: React, Node.js, Flask
Developer Tools: Git, VS Code, Visual Studio, PyCharm, Eclipse, Arduino
Libraries: Matplotlib, OpenCV

PROJECTS

QuantiFi (3rd Place, UTEFA QuantiFi Competition 2025) | *Python*   Nov. 2025
- Developed a quantitative trading strategy for an algorithmic trading competition using Python
- Backtested trading models on historical data to evaluate performance
- Applied parameter optimization and risk analysis to improve strategy returns

Stop! Don't Go On (Finalist, GoOnHacks 2025) | *React, Python, Flask, OpenCV, Arduino*   Nov. 2025
- Built a computer vision application to detect unproductive behavior and trigger automated alerts
- Integrated real-time face tracking using OpenCV with hardware control via Arduino
- Designed and served REST APIs using Flask to support frontend interactions

binder. | *React, TypeScript, Node.js*   Oct. 2025
- Built a swipe-style marketplace application for browsing secondhand deals with AI-assisted price recommendations
- Implemented real-time web scraping of Kijiji listings with background processing
- Integrated AI-powered negotiation coaching and price analysis features
- Designed dynamic UI interactions using React and TypeScript for responsive cross-platform use

Monte Carlo Simulation | *C++, Python, Matplotlib*   Oct. 2025
- Implemented a Monte Carlo simulation in C++ to model stock price evolution using Geometric Brownian Motion
- Generated and visualized simulated price paths and distributions using Matplotlib
- Computed statistical metrics including mean and variance from simulation results

EXPERIENCE

Volleyball Coach   Sep. 2021 – Present
Toronto Thunderbolts Volleyball Club   *Markham, ON*
- Led and organized training sessions for youth athletes
- Provided technical instruction and performance feedback
- Collaborated with coaching staff to plan practices and tournaments

Barista   July 2025 – Aug. 2025
Cotti Coffee   *Markham, ON*
- Delivered customer service in a fast-paced environment
- Handled point-of-sale transactions accurately
- Maintained cleanliness and operational standards