

# Jeremy Liu

📞 647-978-3453    ✉️ [jmy.liu@mail.utoronto.ca](mailto:jmy.liu@mail.utoronto.ca)    [in LinkedIn.com](https://www.linkedin.com/in/jeremyliu)    [github.com](https://github.com/jeremyliu)    🌐 [Website](#)

## Education

<b>University of Toronto</b> <i>Bachelor of Applied Science in Computer Engineering + PEY Co-op</i>	Sept 2025 – May 2030 Toronto, ON
<ul style="list-style-type: none"><li>• <b>Relevant Coursework:</b> Data Structures and Algorithms, Computer Organization, Linear Algebra, Probability and Statistics, Software Design, Digital Systems, Programming with C</li><li>• <b>Robotics for Space Exploration Team Member:</b> Developed and tested ROS2 safety nodes that improved rover operation reliability as part of a design team.</li></ul>	
<b>Milliken Mills High School</b> <i>IB Programme</i>	Sept 2021 – June 2025 Markham, ON
<ul style="list-style-type: none"><li>• <b>Relevant Coursework:</b> HL Chemistry, HL Econ, HL English, SL Maths AA, SL Physics, SL English</li></ul>	

## Technical Skills

**Languages:** Python, Javascript, MATLAB, Typescript, HTML, CSS, Swift  
**Libraries & Frameworks:** React, TailwindCSS, Bootstrap, Node.js, NumPy, Matplotlib, Tkinter  
**Developer Tools:** Git, GitHub, VS Code, Cursor, Linux, Google Cloud Platform

## Projects

<b>binder.</b>   <i>TypeScript, React, Tailwind CSS, Python, Gemini API</i>	Oct 2025
<ul style="list-style-type: none"><li>• Created a Tinder-inspired marketplace browser for Kijiji with a swipe-based React interface and real-time listing updates.</li><li>• Integrated a Python scraper for dynamic data collection and leveraged the Gemini API for AI-powered price evaluation.</li><li>• Built responsive, maintainable UI components and managed application state efficiently using TypeScript and TailwindCSS.</li></ul>	
<b>stop! don't go on</b>   <i>Arduino, Python, React, OpenCV, Typescript</i>	Nov 2025
<ul style="list-style-type: none"><li>• Used Arduino to spray water and email.js to email friends and family to incentivize users away from continuing bad habits.</li><li>• Integrated OpenCV with a python backend to the arduino so users could be tracked with precision</li><li>• Created a dynamic UI that allowed user input and real-time computer feedback using React, Vite, and Typescript</li></ul>	
<b>ASCII Slot Machine</b>   <i>Python</i>	Mar 2025
<ul style="list-style-type: none"><li>• Used python to calculate probabilities and returns based on pre-determined values for symbols.</li><li>• Applied object-oriented design principles for modular and reusable reward and probability-matching systems.</li></ul>	

## Awards

<b>Faculty of Applied Science and Engineering Admission Scholarship</b>   <i>University of Toronto</i>	2025
<b>Avogadro's Contest - Top 25 Scorers</b>   <i>University of Waterloo</i>	2025
<b>OAPT Contest - Top 500 Scorers</b>   <i>University of Toronto</i>	2025
<b>YorkU EUC Design Challenge -1st Place</b>   <i>York University</i>	2024

## Experience

<b>CCU Receptionist</b> <i>Markham Stouffville Hospital</i>	Feb 2024 – Aug 2025 Markham, ON
<ul style="list-style-type: none"><li>• Provided customer service and prepared beverages in a fast-paced environment.</li><li>• Collaborated with team members to ensure efficient daily operations.</li></ul>	
<b>Private Tutor</b> <i>Math/Computer Science/Physics/Chemistry/English</i>	Sep 2023 – Present Markham, ON
<ul style="list-style-type: none"><li>• Assisted in training and mentoring youth athletes.</li><li>• Supported team organization and game-day preparation.</li></ul>	