

EDUCATION

University of Toronto	Mississauga, Canada
GPA 3.9/4.0 – Bachelor of Science, Computer Science Specialist & Math Major	Dean's List Scholar

TECHNICAL SKILLS

Languages	: Python, Java, JavaScript, HTML, CSS, SQL, LaTeX
Frameworks	: Django, FastAPI, Flask, Tailwind, Bootstrap
Technologies	: PostgreSQL, AWS, Redis, Supabase, Git, Postman, Google Cloud Platform, Wordpress
Certificates	: AWS Certified Cloud Practitioner (in progress), IB Computer Science (Web Science)

WORK EXPERIENCE

Vice President of Technology	May 2025 – Present
UTMSAM	Hybrid – Toronto, Canada
<ul style="list-style-type: none"><li>Collaborate with 5 technical associates to maintain the front-end and back-end of the <a href="#">UTMSAM website</a></li><li>Spearhead EmberHacks, a 48 hours long hackathon, attracting 150+ students across three UofT campuses</li><li>Host workshops on solving <a href="#">LeetCode questions</a> and using AI and quantitative tools (<a href="#">MATLAB</a>, <a href="#">SageMath</a>, and <a href="#">LaTeX</a>)</li></ul>	
Standard Operation Procedure Intern	May 2025 – Present
TRG International (Full-time)	On-site - Ho Chi Minh, Vietnam
<ul style="list-style-type: none"><li>Created a <a href="#">Flask</a> application to simulate real-time git-diff functionality for Word documents using polling techniques, improving version control and reducing manual review time by 25%</li><li>Developed 2 <a href="#">Power Platform bots</a> to send notifications to up to <a href="#">200+ employees</a> about upcoming events</li><li>Managed and updated high quality SOP documents across departments: Marketing, Sales, and HR</li><li>Represented TRG at Greenwich Career Fair, achieving "<a href="#">Most Interactive Company</a>" title with <a href="#">150+ applicants</a></li></ul>	
Computer Science and Mathematics Mentor	September 2022 – Present
University of Toronto & British International School	Hybrid - Toronto, Canada
<ul style="list-style-type: none"><li>Conduct weekly tutoring sessions for first-year students in <a href="#">Computer Science</a> (OOP and DSA) and <a href="#">Mathematics</a></li><li>Instructed <a href="#">30+ secondary students</a>, resulting in an average <a href="#">10% improvement</a> in grades</li></ul>	
Design Technology Ambassador	November 2022 – May 2024
British International School	On-site - Ho Chi Minh, Vietnam
<ul style="list-style-type: none"><li>Facilitated <a href="#">3 departmental welcoming events</a>, introducing <a href="#">120+ parents and students</a> to Design Technology</li><li>Showcased engaging presentations and interactive <a href="#">3D software</a>, including aluminum die-casting workshops</li></ul>	

PROJECTS

Image Gallery	<a href="#">Python (FastAPI)</a> , <a href="#">AWS (EC2, S3, CloudFront, Lambda)</a> , <a href="#">Postman</a>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Constructed a scalable, <a href="#">serverless</a> image gallery system with real-time image uploads and public access</li><li>Set up <a href="#">global caching</a> using <a href="#">CloudFront CDN</a>. Reduced image load times and cut bandwidth costs by <a href="#">30%</a></li><li>Implemented client-side <a href="#">image compression</a> using the <a href="#">Canvas API</a>, and data management workflows using <a href="#">Lambda</a></li><li>Tested and validated RESTful API endpoints with <a href="#">Postman</a>, ensuring reliable backend performance</li></ul>		
Organese	<a href="#">Python (Django)</a> , <a href="#">Bootstrap5</a> , <a href="#">PostgreSQL (Supabase)</a>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Built a <a href="#">full-stack</a> scheduler using <a href="#">Django REST Framework</a>. Users can create, share timetables, and make bookings</li><li>Developed <a href="#">RESTful APIs</a> to handle <a href="#">CRUD</a> operations on timetable entries, guest bookings, and user settings</li><li>Improved responsiveness with real-time rendering by using <a href="#">Bootstrap5</a> and <a href="#">AJAX</a> interactions</li><li>Implemented a <a href="#">relational database schema</a> using <a href="#">Django ORM</a> to support multi-timetable functionalities</li></ul>		
Job Hunter	<a href="#">Python (Django)</a> , <a href="#">PostgreSQL</a> , <a href="#">AWS (EC2)</a> , <a href="#">NPTK</a> , <a href="#">Matplotlib</a>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Designed a <a href="#">Django-based</a> job scraping and analysis tool across platforms (LinkedIn, Indeed, Google)</li><li>Engineered a cover letter generator using keyword extraction and <a href="#">NLP</a>, saving users <a href="#">90%</a> of manual writing time</li><li>Visualized market trends using <a href="#">Matplotlib</a> and <a href="#">Chart.js</a>. Highlighted top skills and demanding technologies</li><li>Stored job listings using <a href="#">PostgreSQL</a> and <a href="#">Supabase</a>. Deployed the web application using <a href="#">AWS EC2</a></li></ul>		
Youtube as a Service	<a href="#">Python</a> , <a href="#">Tailwind</a> , <a href="#">Google Cloud</a> , <a href="#">OpenCV</a> , <a href="#">Numpy</a>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Created a pipeline to compile files into Youtube videos, allowing unlimited storage space and <a href="#">lossless decoding</a></li><li>Produced compression-tolerant algorithm, achieving <a href="#">99.9%</a> accurate bit-level file recovery</li><li>Implemented frame optimization, resolution tuning, and error correction for high-resolution files</li></ul>		

OTHER EXPERIENCE

Content Creator & Video Editor	May, 2020 – July, 2024
<ul style="list-style-type: none"><li>Managed a YouTube channel with <a href="#">14,000 members</a>, <a href="#">3 million viewers</a>, with <a href="#">4 years</a> of video editing experience</li></ul>	
Create and Care Club Leader	September, 2022 – January, 2024
<ul style="list-style-type: none"><li>Led <a href="#">team of 8</a> to teach <a href="#">20 students</a> product design; sold at <a href="#">3 events</a> with <a href="#">2,000+ guests</a>, generating <a href="#">\$1,200 revenue</a></li></ul>	