

Jack Le

A potentially aspiring team member at your organization!

My Portfolio || [LinkedIn](#) || [GitHub](#)
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Education

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

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

Work Experience

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

Projects

UTM-Live (in progress)	Python (Django), Mapbox GL, PostgreSQL (Supabase), AWS (S3)	Source Code
<ul style="list-style-type: none">Make a <u>full-stack</u> interactive <u>3D mapping application</u> to help students discover interesting study spotsStyle a personalized map, leveraging custom <u>GeoJSON schemas</u> and <u>vector tilesets</u> to render campus locationsImprove user experience with numerous <u>3D buildings</u>, <u>dynamic weathering</u>, and <u>seamless mouse movements</u>Enforce <u>relational database schemas</u> using <u>Django ORM</u> and authentication using <u>JWT</u> and <u>Django sessions</u>		
Image Gallery	Python (FastAPI), AWS (EC2, S3, CloudFront, Lambda, DynamoDB), Postman	Source Code
<ul style="list-style-type: none">Built a <u>scalable, serverless</u> image gallery with real-time uploads, using <u>S3</u> and <u>DynamoDB</u> for storage/metadataSet up <u>global caching</u> using <u>CloudFront CDN</u>. Reduced the average images load time from <u>220ms to 35ms</u>Implemented client-side <u>image compression</u> with <u>Canvas API</u>, automated daily cleanup of expired files via <u>Lambda</u>Tested and validated RESTful API endpoints with <u>Postman</u>, ensuring reliable backend performance		
Job Hunter	Python (Django), PostgreSQL (Supabase), AWS (EC2), NPTK, Matplotlib	Source Code
<ul style="list-style-type: none">Designed a <u>Django-based</u> job scraping and analysis tool across platforms (LinkedIn, Indeed, Google)Engineered a cover letter generator using keyword extraction and <u>NLP</u>, saving users <u>90%</u> of manual writing timeVisualized market trends using <u>Matplotlib</u> and <u>Chart.js</u>. Highlighted top skills and demanding technologiesStored job listings using <u>PostgreSQL</u> and <u>Supabase</u>. Deployed the web application using <u>AWS EC2</u>		
Youtube as a Service	Python, Tailwind, Google Cloud, OpenCV, Numpy	Source Code
<ul style="list-style-type: none">Created a pipeline to compile files into Youtube videos, allowing <u>unlimited</u> storage space and <u>lossless decoding</u>Produced compression-tolerant algorithm, achieving <u>99.9%</u> accurate bit-level file recoveryIntegrated frame optimization, resolution tuning, and error correction for high-resolution files		

Other Experience

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