

# Jack Le

An aspiring Software Developer at your company! Hoping to exceed!

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## Education

<b>University of Toronto</b> 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

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

## Work Experiences

<b>Vice President of Technology</b> UTM Student Society for Algorithmic Modelling (UTMSAM) <ul style="list-style-type: none"><li>Collaborate with <u>6 technical associates</u> to revamp the <u>UTMSAM website</u></li><li>Spearhead EmberHacks, a 48-hour hackathon, attracting students across <u>3 UofT campuses</u></li><li>Host <u>workshops</u> on web development, LeetCode, AI, and quantitative tools (MATLAB, SageMath, LaTeX, etc.)</li></ul>	May 2025 – Present Toronto, Canada
<b>Standard Operation Procedure Intern</b> TRG International (Full-time) <ul style="list-style-type: none"><li>Created a <u>version control tool</u> for Word documents using Flask to reduce manual review effort by <u>25%</u></li><li>Notified <u>150+ employees</u> of events by developing a Power Virtual Agent, reducing communication time by <u>40%</u></li><li>Automated geocoding of <u>100+ addresses</u> using Python and researched relevant geospatial resources</li><li>Represented TRG at <u>Greenwich Career Fair</u>, achieving "Most Interactive Company" title with <u>200+ applicants</u></li></ul>	May 2025 – August 2025 Ho Chi Minh, Vietnam
<b>Computer Science &amp; Math Mentor</b> University of Toronto & British International School <ul style="list-style-type: none"><li>Conducted weekly <u>tutoring sessions</u> for first-year students in Computer Science (OOP and DSA) and Math (proofs)</li><li>Turned complex concepts into digestible ideas, improved average grades by <u>15%</u>, received <u>100% positive feedbacks</u></li></ul>	September 2022 – May, 2025 Toronto, Canada
<b>Design Technology Ambassador</b> British International School <ul style="list-style-type: none"><li>Facilitated <u>3 departmental welcoming events</u>, introducing <u>120+ parents and students</u> to Design Technology</li><li>Showcased engaging presentations and <u>3D CAD softwares</u>, including aluminum die-casting <u>activities</u></li></ul>	November 2022 – May 2024 Ho Chi Minh, Vietnam

## Club Activities

<b>Project Lead @ UofT Blueprint</b> <ul style="list-style-type: none"><li>Led a team to build <u>custom software solutions</u> for social good. Implement <u>scrum framework</u> and <u>agile methodology</u></li></ul>	August 2025 – Present
<b>Workshop Lead @ Ignition Hacks V6</b> <ul style="list-style-type: none"><li>Carried out <u>technical workshops</u> on Mapbox technologies for a 36-hour hackathon with 200+ participants</li></ul>	July 2025 – August 2025
<b>Content Creator @ Youtube</b> <ul style="list-style-type: none"><li>Managed a channel with <u>3,000,000+ views</u>. Took on <u>12 freelance projects</u>, with <u>4 years</u> of video-editing experiences</li></ul>	May 2020 – May 2024
<b>Co-President @ Create and Care</b> <ul style="list-style-type: none"><li>Work with <u>8 leads</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></li></ul>	September 2022 – January 2024

## Projects

<b>UTM-Live (in progress)</b>	Python (Django), Mapbox GL, PostgreSQL (Supabase), AWS (S3)	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Build an interactive <u>end-to-end 3D full-stack application</u> for UTM students to explore study spots</li><li>Enhance UX with <u>real-time dynamic lighting/weather effects</u> and seamless mouse interactions</li><li>Manually modeled <u>80+ campus locations</u> using Mapbox GL and custom GeoJSON data</li><li>Secure user access with JWT-based auth and Django session; designed REST APIs for personalized locations</li><li>Continuously detect user's live location and calculated optimal routes to reduce travel time by <u>30%</u></li></ul>		
<b>Image Gallery</b>	Python (FastAPI), AWS (EC2, S3, CloudFront, Lambda, DynamoDB), Postman	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Made a <u>serverless image gallery</u> with real-time uploads, using S3 and DynamoDB for storage/metadata</li><li>Set up <u>global caching</u> using CloudFront CDN. Lowered the average images load time from <u>220ms to 35ms</u></li><li>Compressed client-side images using Canvas API and reduce upload payloads by <u>60%</u></li><li>Tested RESTful API endpoints with Postman and automated expired file cleanup with Lambda</li></ul>		
<b>Job Hunter</b>	Python (Django), PostgreSQL (Supabase), AWS (EC2), NPTK, Matplotlib	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Scraped and aggregated <u>100+ job postings</u> from LinkedIn, Indeed, and Google using JobSpy2</li><li>Engineered a <u>cover letter generator</u> using keyword extraction and NLP, saving users <u>90%</u> of manual writing time</li><li>Visualized market trends using Matplotlib and Chart.js, identifying top in-demand tech skills</li></ul>		
<b>Youtube as a Service</b>	Python, Tailwind, Google Cloud, OpenCV, Numpy	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Created a pipeline to compile <u>files into Youtube videos</u>, allowing <u>unlimited storage space</u> and <u>lossless decoding</u></li><li>Produced compression-tolerant algorithm, achieving <u>99.9% accuracy</u> in bit-level file recovery</li><li>Integrated frame optimization, resolution tuning, and error correction for high-resolution files</li></ul>		