

Jack Le

A potentially aspiring software developer at your company!

My Portfolio || [LinkedIn](#) || [GitHub](#)
huuanducle@gmail.com || +1 416 617 3686

Education

University of Toronto

GPA 3.9/4.0 – Bachelor of Science, Computer Science Specialist & Math Major

Mississauga, Canada

Dean's List Scholar

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

- Collaborate with 5 technical associates to maintain the front-end and back-end of the UTMSAM website
- Spearhead EmberHacks, a 48 hours long hackathon, attracting 150+ students across three UofT campuses
- Host workshops on solving LeetCode questions and using AI and quantitative tools (MATLAB, SageMath, and LaTeX)

Standard Operation Procedure Intern

TRG International (Full-time)

May 2025 – Present

On-site - Ho Chi Minh, Vietnam

- Created a Flask application to simulate real-time git-diff functionality for Word documents using polling techniques, improving version control and reducing manual review time by 25%
- Developed 2 Power Platform bots to send notifications to up to 150+ employees about upcoming events
- Managed and updated high quality SOP documents across departments: Marketing, Sales, and HR
- Represented TRG at Greenwich Career Fair, achieving "Most Interactive Company" title with 200+ applicants

Computer Science and Mathematics Mentor

University of Toronto & British International School

September 2022 – Present

Hybrid - Toronto, Canada

- Conduct weekly tutoring sessions for first-year students in Computer Science (OOP and DSA) and Mathematics
- Instructed 30+ secondary students, resulting in an average 10% improvement in grades

Design Technology Ambassador

British International School

November 2022 – May 2024

On-site - Ho Chi Minh, Vietnam

- Facilitated 3 departmental welcoming events, introducing 120+ parents and students to Design Technology
- Showcased engaging presentations and interactive 3D software, including aluminum die-casting workshops

Projects

UTM-Live (in progress)

Python (Django), Mapbox GL, PostgreSQL (Supabase), AWS (S3)

[Source Code](#)

- Make a full-stack interactive 3D mapping application to help students discover interesting study spots
- Style a personalized map, leveraging custom GeoJSON schemas and vector tilesets to render campus locations
- Improve user experience with numerous 3D buildings, dynamic weathering, and seamless mouse movements
- Organize the front-end using Django MVT structure. Enforce a relational database schema using Django ORM

Image Gallery

Python (FastAPI), AWS (EC2, S3, CloudFront, Lambda, DynamoDB), Postman

[Source Code](#)

- Built a scalable, serverless image gallery with real-time uploads, using S3 and DynamoDB for storage/metadata
- Set up global caching using CloudFront CDN. Reduced the average images load time from 220ms to 35ms
- Implemented client-side image compression with Canvas API, automated daily cleanup of expired files via Lambda
- Tested and validated RESTful API endpoints with Postman, ensuring reliable backend performance

Job Hunter

Python (Django), PostgreSQL (Supabase), AWS (EC2), NPTK, Matplotlib

[Source Code](#)

- Designed a Django-based job scraping and analysis tool across platforms (LinkedIn, Indeed, Google)
- Engineered a cover letter generator using keyword extraction and NLP, saving users 90% of manual writing time
- Visualized market trends using Matplotlib and Chart.js. Highlighted top skills and demanding technologies
- Stored job listings using PostgreSQL and Supabase. Deployed the web application using AWS EC2

Youtube as a Service

Python, Tailwind, Google Cloud, OpenCV, Numpy

[Source Code](#)

- Created a pipeline to compile files into Youtube videos, allowing unlimited storage space and lossless decoding
- Produced compression-tolerant algorithm, achieving 99.9% accurate bit-level file recovery
- Integrated frame optimization, resolution tuning, and error correction for high-resolution files

Other Experience

Content Creator & Video Editor

May, 2020 – July, 2024

- Managed a YouTube channel with 14,000 members, 3 million viewers, with 4 years of video editing experience

Create and Care Club Leader

September, 2022 – January, 2024

- Led team of 8 to teach 20 students product design; sold at 3 events with 2,000+ guests, generating \$1,200 revenue