

Huu An Duc (Jack) Le

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EDUCATION

University of Toronto

Mississauga, Canada

Computer Science Specialist & Math Minor (Dean's List Scholar)

GPA: 3.9/4.0

EXPERIENCE

Software Project Lead

August 2025 – Present

UofT Blueprint

Toronto, Canada

- Lead a development team to build custom software solutions for NGOs, including web/desktop/mobile applications
- Implement Scrum framework and Agile methodologies, expect to result 20% reduction of project delivery times

Vice President of Tech

May 2025 – Present

UTM Student Society for Algorithmic Modeling

Mississauga, Canada

- Collaborate with 6 tech associates to improve UX and mobile compatibility of the UTMSAM website
- Spearhead EmberHacks, a 48-hour tech-driven hackathon, attracting 150+ students across 3 UofT campuses
- Host workshops on full-stack web development, LeetCode problems, and quantitative tools (MATLAB, SageMath)

Standard Operation Procedure Intern

May 2025 – August 2025

TRG International [Full-time]

Ho Chi Minh, Vietnam

- Created a version control tool for Word documents using Flask to reduce manual review effort by 25%
- Developing a Power Virtual Agent to notify 150+ employees of events, reducing communication time by 40%
- Automated geocoding of 100+ addresses using Python and researched relevant geospatial resources
- Represented TRG at Greenwich Career Fair, achieving "Most Interactive Company" title with 200+ applicants

Design Technology Ambassador

November 2022 – May 2024

British International School

Ho Chi Minh, Vietnam

- Facilitated 3 departmental welcoming events for up to 2000 students/parents from 52 countries to Design Tech
- Organized weekly workshops on 3D CAD softwares, aluminum die-casting, and woodworking activities

PROJECTS

UTM-Live | Python, Javascript, Django, Mapbox GL, PostgreSQL, Supabase, Postman

[Source Code](#)

- Build an interactive **end-to-end full-stack** application for students to explore study spots with **3D mapping**
- Enhance UX with **real-time dynamic lighting/weather** effects and seamless mouse interactions
- Continuously detect user's live location and calculated optimal routes to reduce travel time by **30%**
- Secure user access with **JWT-based auth** and Django session; designed **REST APIs** for personalized locations

Image Gallery | Python, FastAPI, AWS, DynamoDB, EC2, S3, CloudFront, Lambda

[Source Code](#)

- Made a serverless image gallery with real-time uploads, using **S3** and **DynamoDB** for storage/metadata
- Set up global caching using **CloudFront CDN**. Lowered the average images load time from **220ms to 35ms**
- Compressed client-side images using Canvas API and reduce upload payloads by **60%**
- Tested API endpoints functionalities with **Postman** and automated expired file cleanup with **Lambda**

Job Hunter | Python, Django, PostgreSQL, Supabase, EC2, NPTK, Matplotlib

[Source Code](#)

- Web scraped** and analyzed **100+ job postings** from LinkedIn, Indeed, and Google using JobSpy2
- 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**, identifying top in-demand tech skills

Youtube as a Service | Python, Tailwind, Google Cloud Platform, 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% accuracy** in bit-level file recovery across **30+ files**
- Integrated frame optimization and resolution tuning for high-resolution files, reduced error rate by **70%**

TECHNICAL SKILLS

Languages: Python, Java, C, SQL (Postgres), JavaScript, HTML/CSS, LaTeX

Frameworks: Django, Spring Boot, FastAPI, Flask, Tailwind, Bootstrap

Tools & Technologies: Git, PostgreSQL, AWS, Mapbox, Supabase, Render, Postman, GCP, Docker

Certificates: AWS Certified Cloud Practitioner, IB Computer Science Higher Level (Web Science)