

Huu An Duc (Jack) Le

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EDUCATION

University of Toronto

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

Mississauga, Canada

GPA: 3.9/4.0

EXPERIENCES

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 delivery times

Tech Support Assistant

August 2025 – Present

UTM Career Center

Toronto, Canada

- Design a resume builder prototype for a student population of **16,000+** to reduce resume creation time by **75%**
- Use ReactJS to create a responsive interface, reduce load delay by **90%** using Django channels and WebSockets
- Integrate AODA-compliant practices, ensuring an inclusive user experience for students with disabilities

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 landing page using ReactJS
- 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%**
- Developed 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

Computer Science Mentor

September 2024 – May 2025

University of Toronto

Toronto, Canada

- Conducted weekly mentoring sessions for first-year students on OOP, data structures, and complexity analysis
- Contributed **600+ responses** to courses' forum, received **95% positive feedback** from professors and students

PROJECTS

UTM-Live

[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

[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%**

Job Hunter

[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

[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**

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, SQL, HTML/CSS, LaTeX

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

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

Relevant Courses: Systems Programming, Software Tools Design, Computer Organization, Data Structures & Analysis