

Huu An Duc (Jack) Le

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EDUCATION

University of Toronto

September, 2024 - June, 2028

Computer Science Specialist - 3.9 GPA

Mississauga, Canada

Courses: Software Design (**Object-Oriented Programming, Java**), Systems Programming (**Unix/Linux, C**), Computer Organization (Assembly), Data Structures & Analysis, Theory of Computation

EXPERIENCES

Software Project Lead

August 2025 – Present

UofT Blueprint

Toronto, Canada

- Lead a fullstack **website development** team deliver applications for NGOs using **Agile/Scrum** practices
- Enable team collaboration using **Github, git** branching and sprint-based workflows; boost productivity by 50%

Tech Support Assistant

August 2025 – Present

UTM Career Center

Toronto, Canada

- Built a resume builder using **React.js frontend, Django REST API backend** to reduce resume writing time
- Reduce backend response time by 90% using async communication via **Django Channels** and **WebSockets**
- Wrote **Javascript** server-side scripts to automate repetitive data entry tasks, improving efficiency by 200%
- Ensure accessibility (AODA compliant) interfaces and inclusive **UI/UX** practices for 16,000+ students

Vice President of Tech

May 2025 – Present

UTM Student Society for Algorithmic Modeling

Mississauga, Canada

- Collaborate with 6 associates to migrate **frontend** from Wordpress to **React.js** to improve mobile compatibility
- Spearhead EmberHacks (24-hour hackathon), by assisting in logistic and outreach efforts, attracting 150+ students
- Deliver many workshops on **HTML/CSS/Javascript** and **web development** fundamentals

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 real-time **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

PROJECTS

UTM-Live

[Source Code](#)

- Build an interactive **end-to-end Django** application for students to explore study spots with **3D mapping**
- Enhance **user engagement** with real-time dynamic lighting/weather effects and seamless mouse interactions
- Detect user's coordinates and calculate optimal routes between two locations to reduce travel time by 30%
- Secure user information with **JWT auth** and **PostgreSQL**; designed **REST APIs** for personalized locations

Image Gallery

[Source Code](#)

- Made a serverless gallery with using **AWS EC2, S3** and **DynamoDB (NoSQL database)** for storage/metadata
- Set up global caching using **CloudFront CDN**. Lowered the average images load time from 220ms to 35ms
- Compressed client-side images by 60% using Canvas API and automate files deletion using **Lambda**

Job Hunter

[Source Code](#)

- Web scraped** and analyzed 100+ job postings from LinkedIn, Indeed, Google using **Beautiful Soup** and JobSpy
- Generated cover letter using keyword extraction and **natural language processing**, saving 90% of writing time
- Visualized market trends using **Matplotlib** and **Chart.js**, identifying top in-demand tech skills

Youtube as a Service

[Source Code](#)

- Compile files into Youtube videos using **Google Cloud**, allowing unlimited storage space and lossless decoding
- Produced **compression-tolerant algorithm**, achieving 99.9% accuracy in bit-level file recovery across 30+ files
- Designed and implemented responsive UI components using **Tailwind CSS**, improving cross-device compatibility

TECHNICAL SKILLS

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

Frameworks: Django, React.js, Spring Boot, FastAPI, Flask, Tailwind, Bootstrap

Tools & Technologies: AWS, Git/Github, PostgreSQL, Google Cloud, Docker, Mapbox, Supabase, Render, Postman