

# Huu An Duc (Jack) Le

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## EDUCATION

### University of Toronto

September, 2024 - June, 2028

*Computer Science Specialist - Bachelor of Science - 3.9 GPA*

*Mississauga, Canada*

**Courses:** Software Design (Object-Oriented Programming, Java), Systems Programming (Unix/Linux, C), Data Structures & Analysis, Web Science (Cloud Computing/Network), Computer Organization

## EXPERIENCES

### Software Project Lead

August 2025 – Present

*UofT Blueprint*

*Toronto, Canada*

- Lead a fullstack **website development** team to deliver applications for NGOs using **Agile/Scrum** practices
- Enable collaboration using **Github, git** branching, sprint workflows, and tickets with feedbacks from stakeholders

### 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**
- Implement server-side **Javascript** to streamline repetitive data entry tasks, saving \$1,000/month in manual labor
- 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 move landing page from Wordpress to **React.js** to improve mobile compatibility
- Spearhead and launch EmberHacks website ([emberhacks.ca](http://emberhacks.ca)), create a dynamic webpage using **Typescript**
- Deliver many workshops on **HTML/CSS/Javascript** and **web development** fundamentals for club members

### Standard Operation Procedure Intern

May 2025 – August 2025

*TRG International*

*Ho Chi Minh, Vietnam*

- Created a **version control** tool for Word documents using **Flask** to reduce manual review time by 20+ minutes
- 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](#)

- Built an interactive **end-to-end Django** application for students to explore study spots with **3D mapping**
- Enhanced user engagement with **real-time dynamic lighting/weather** effects and seamless mouse interactions
- Detected user's coordinates and calculate optimal routes between two locations to reduce travel time by 30%
- Secured 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 the top 10 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, Typescript

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

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