

# Huu An Duc (Jack) Le

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## EDUCATION

<b>University of Toronto</b> <i>Computer Science - Bachelor of Science - 3.76 GPA</i>	2028 <i>Toronto, Canada</i>
<b>Courses:</b> Software Design (Object-Oriented Programming), Systems Programming (Unix/Linux), Computer Organization (Assembly), Data Structures & Analysis, Database Management Systems, Web Programming	
<b>Leaderships:</b> Director of Operations ( <a href="#">GenAI Genesis</a> ), Vice-President of Tech ( <a href="#">UTMSAM</a> ), Organizer ( <a href="#">EmberHacks</a> ), Tech Associate ( <a href="#">UTMFA</a> ), Hackathon Mentor ( <a href="#">Ignition Hacks</a> )	

## EXPERIENCES

<b>Research Assistant</b> <i>University of Toronto</i>	Sep 2025 – Present <i>Toronto, Canada</i>
<ul style="list-style-type: none"><li>Collaborated with PhD students and professors to <b>develop an AI coding assistant for 1,000+ students</b>, creating clear explanations, alternative solutions, and design rationales to enhance technical understanding</li><li>Worked on microservice backend using TypeScript and OpenAI API to deliver contextual insights for AI responses</li><li><b>Analyzed 1,600+ user data points</b> using Pandas/Matplotlib to identify trends and optimize tool effectiveness</li></ul>	
<b>Software Project Lead</b> <i>UofT Blueprint</i>	
<ul style="list-style-type: none"><li><b>Led 8 software developers</b>, organized development tickets to create a volunteer management system for <a href="#">TRCC</a></li><li>Deployed Next.js app in TypeScript with Docker and CI/CD pipeline to <b>reduce deployment failures by 50%</b></li><li>Enforced <b>80% test coverage</b> (Vitest), added Husky pre-commit hooks, and automated dependency maintenance</li><li><b>Improved delivery time by 30%</b> for stakeholders using Git, Github workflows and SCRUM framework</li></ul>	
<b>Tech Support Assistant</b> <i>UTM Career Center</i>	
<ul style="list-style-type: none"><li>Delivered tech support, ensuring AODA-compliant and <b>inclusive UI/UX interfaces for 16,000+ students</b></li><li>Implemented JavaScript-based scripts for data-entry workflows, <b>saving \$1,000/month</b> in operational cost</li><li>Leveraged AI tools to optimize code and development time, delivering projects <b>1 month ahead of schedule</b></li></ul>	

<b>Standard Operation Procedure Intern</b> <i>TRG International</i>	May 2025 – Aug 2025 <i>Ho Chi Minh, Vietnam</i>
<ul style="list-style-type: none"><li>Built notification bots with automated workflows, <b>cutting communication time by 40%</b> for 150+ employees</li><li>Created a Python tool to compare documents and track live changes, <b>saving 20+ minutes per review cycle</b></li><li>Automated geocoding of 100+ addresses and generating 2D interactive maps with documentations for HR team</li></ul>	

## PROJECTS

<b>Catch-It</b>  <a href="#">TypeScript / React Native / Google Cloud Platform</a>	
<ul style="list-style-type: none"><li>Engineered a trip planning app for iOS/Android/Web using React Native, with <b>95%+ code reuse across platforms</b></li><li>Utilized TanStack Query async state management, optimizing API through caching to reduce redundant requests</li><li><b>Integrated 3 GCP API services</b> to provide a seamless end-to-end travel experience, <b>saving 2 minutes per search</b></li></ul>	
<b>UTM-Live</b>  <a href="#">Python / Django / JavaScript / PostgreSQL / Mapbox</a>	
<ul style="list-style-type: none"><li>Created an interactive end-to-end Django app for students to explore study spots with <b>realistic 3D models</b></li><li>Boosted engagement with <b>real-time dynamic lighting/weather effects</b> based on user's live GPS coordinates</li><li>Secured user information with JWT and PostgreSQL; designed REST APIs for location CRUD operations</li></ul>	
<b>OperAid</b>  <a href="#">Python / FastAPI / JavaScript / React.js / PostgreSQL / Tailwind CSS</a>	
<ul style="list-style-type: none"><li>Worked in a <b>team of 4</b> on a voice-controlled app to <b>retrieve patient data and MRI scans in under 5 seconds</b></li><li>Planned, prototyped, and <b>deployed</b> a fullstack voice assistant in 6 hours using React.js, FastAPI, ElevenLabs</li><li>Connected speech-to-text pipeline with PostgreSQL database to allow <b>voice-driven access to 500+ records</b></li></ul>	

## TECHNICAL SKILLS

<b>Languages:</b> Python, JavaScript/TypeScript, Java, C, SQL, HTML/CSS
<b>Frameworks:</b> Spring Boot, Next.js, Django, React.js, FastAPI, Flask, Tailwind CSS, Vitest, JUnit, PyTest
<b>Technologies:</b> Git/Github, PostgreSQL, MongoDB, Supabase, AWS, Google Cloud Platform, Apache Kafka, Docker
<b>Coding Tools:</b> VS Code, IntelliJ, PyCharm, Gemini CLI, Cursor, Claude