

Huu An Duc (Jack) Le

416-617-3686 | huuanducle@gmail.com | jack-le.com | linkedin.com/in/huu-an-duc-le | github.com/notjackl3

EDUCATION

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

PROJECTS

Catch-It 🕒 TypeScript / React Native / Google Cloud Platform

- Engineered a trip planning app for iOS/Android/Web using React Native, with 95%+ code reuse across platforms
- Utilized TanStack Query async state management, optimizing API through caching to reduce redundant requests
- Integrated 3 GCP API services to provide a seamless end-to-end travel experience, saving 2 minutes per search

UTM-Live 🕒 Python / Django / JavaScript / PostgreSQL / Mapbox

- Created an interactive end-to-end Django app for students to explore study spots with realistic 3D models
- Boosted engagement with real-time dynamic lighting/weather effects based on user's live GPS coordinates
- Secured user information with JWT and PostgreSQL; designed REST APIs for location CRUD operations

OperAid 🕒 Python / FastAPI / JavaScript / React.js / PostgreSQL / Tailwind CSS

- Worked in a team of 4 on a voice-controlled app to retrieve patient data and MRI scans in under 5 seconds
- Planned, prototyped, and deployed a fullstack voice assistant in 6 hours using React.js, FastAPI, ElevenLabs
- Connected speech-to-text pipeline with PostgreSQL database to allow voice-driven access to 500+ records

EXPERIENCES

Research Assistant Sep 2025 – Present
University of Toronto *Toronto, Canada*

- Collaborated with PhD students and professors to **develop an AI coding assistant for 1,000+ students**, creating clear explanations, alternative solutions, and design rationales to enhance technical understanding
- Analyzed 1,600+ user data points** using Pandas/Matplotlib to find trends and optimize tool efficiency
- Worked on microservice using TypeScript and OpenAI API, adding contextual insights to AI responses

Software Project Lead Aug 2025 – Present
UofT Blueprint + Toronto Rape Crisis Center *Toronto, Canada*

- Led 8 software developers**, organized development tickets to create a management system for [TRCC](#)
- Deployed Next.js (TypeScript) app with Docker and CI/CD pipelines, **cut deployment failures by 50%**
- Enforced **80% test coverage** (Vitest), added Husky commit hooks, and automated dependency updates
- Improved delivery time by 30%** for stakeholders using Git, Github workflows and SCRUM framework

Tech Support Assistant Aug 2025 – Present
UTM Career Center *Toronto, Canada*

- Created AODA-compliant documents and designed **inclusive UI/UX interfaces for 16,000+ students**
- Implemented JavaScript-based scripts for data-entry workflows, **saving \$1,000/month** in operational cost
- Leveraged AI tools to optimize code and development time, delivering projects **1 month ahead of schedule**

Standard Operation Procedure Intern May 2025 – Aug 2025
TRG International *Ho Chi Minh, Vietnam*

- Built chatbots with automated workflows, **reducing communication time by 40%** for 150+ employees
- Created Python tools to compare documents and track live changes, **saving 20+ minutes/review cycle**
- Geocoded 100+ addresses** with Python and mapped staff locations to analyze commute paths for HR team

TECHNICAL SKILLS

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