

Jack Lacy

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EDUCATION

University of Western Ontario

London, ON

Bachelor of Engineering Science in Software Engineering with co-op - BESc

Sep. 2020 – Apr. 2025

- Dean's Honour List

University of Western Ontario

London, ON

Master of Engineering Science in Software Engineering - MESc

Sep. 2025 – Aug. 2027

- Research Topic: GenAI for Software Development

EXPERIENCE

Graduate Teaching Assistant

Sep. 2025 – Present

Western University

London, ON

- Lead weekly lab sessions for 100+ students, focused on Q&A and assignment support, clarifying database design, SQL, and normalisation concepts.
- Responsible for proctoring midterms and final exams, ensuring academic integrity and smooth execution of course assessments.

Software Development Intern

May. 2023 – Sep. 2024

CARFAX

London, ON

- Contributed to 3 major projects, including system enhancements for a document scraping engine (Java, AWS services), developing web-based tools for document scraping template management (TypeScript, React), and implementing automated deployment pipelines for both projects (GitLab CI/CD).
- Worked closely with senior engineers in an Agile environment, leveraging practices like pair programming, test-driven development (TDD), and infrastructure as code (IaC).

EXTRA CURRICULAR

Software Development Lead

Sep. 2024 – Apr. 2025

Western Engineering Toboggan Team

London, ON

- Developed a creative and user-friendly website, leveraging modern web technologies like ThreeJS for 3D modeling, presented at the technical exhibition of the Great Northern Concrete Toboggan Race to highlight the toboggan's design process and craftsmanship.

Command and Data Executive

Oct. 2021 – May. 2023

Western Engineering Satellite Team

London, ON

- Contributed to a CubeSat project aiming to capture satellite imagery of Western University by organizing weekly team meetings, managing OBC budget, and integrating system components on a central board.

PROJECTS

LLM Story-Point Estimation

Sep. 2025 – Dec. 2025

Research Project

- Fine-tuned Google's Gemma-3 to estimate story points utilizing Pytorch.
- Resulted in a model local LLM with an MAE of less than 1 story point.

Western Building Navigation

Sep. 2024 – Apr. 2025

Capstone Class

- Enables new students or guests to navigate to over 100 classes inside buildings as they would navigate outdoors with Google Maps.
- Took on a team-lead role in a team of 4 software engineers to win 3rd place out of 30-plus teams in our full-year capstone course.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Python, C/C++, C#, SQL, Terraform

Frameworks: React, Node.js, JUnit, ExpressJS, Spring, Jest

Developer Tools: Git, Docker, AWS, GCP, GitLab CI/CD, Jenkins, Gradle

Certifications: AWS Cloud Practitioner