Jack Lacy

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EDUCATION

University of Western Ontario — London, ON
Master of Engineering Science in Software Engineering - MESc — *Sep. 2025 – Aug. 2027*
- Research Topic: GenAI for Software Development

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

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