

Landys Lepine

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TECHNICAL SKILLS & SOFT SKILLS

Languages & Tools: Python, Java, C, C++, JavaScript, TypeScript, HTML, CSS/Tailwind, SQL, Bash, React, Django, Flask, PostgreSQL, MongoDB, Android Studio, Git/GitHub/GitLab, Postman, Linux, Jira, Visual Studio Code, Figma

Frameworks & Processes: Agile/Scrum, REST APIs, CI/CD, GitHub Actions, DevOps (Docker, AWS, Kubernetes), OOP, RAG Pipelines, TDD, Unit Testing, Code Reviews, Responsive Web Design, App Development

Soft Skills: Teamwork, communication, leadership, time management, problem-solving, attention to detail, creative thinking

EDUCATION

University of Alberta

Edmonton, AB

BSc with Specialization in Computing Science - Software Practice | GPA: 3.5 (87.5%)

Expected: Dec 2027

WORK EXPERIENCE

TD Bank

Toronto, ON

Software Engineering Intern

Sept 2025 to Dec 2025

- (Incoming) Developing Java-based solutions on the Payments Platform within Credit Technology.
- Contributing to production-level systems in a high-availability, high-security environment.

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Edmonton, AB

Software Developer Intern

June 2025 to Dec 2025

- Built and shipped an end-to-end feedback system (Chrome extension → Django REST → PostgreSQL).
- Added expert moderation and LLM fine-tuning tools (DB import/export + admin UI), cutting triage time and improving data quality while leading deployment (Docker → AWS EC2 with Nginx + Unicorn)

University of Alberta

Edmonton, AB

Gen AI/ML Research Assistant

May 2025 to Aug 2025

- Supported LLM-based translation for low-resource languages, applying techniques in prompt engineering, data filtering, and zero-shot translation.
- Created labeled CSV datasets and a user-friendly Flask-based UI to support end-to-end MT evaluation.

CIBC

Toronto, ON

Software Developer Intern

May 2025 to Aug 2025

- Fully led, designed, and automated the transformation of legacy VBA processes by translating them into Python, improving maintainability and execution time by 50% and increasing code efficiency by 50%.
- Created technical documentation, standard unit tests, and business requests into clear developer requirements.

Telesat Canada

Ottawa, ON

Software Engineering Intern

May 2024 to Aug 2024

- Refactored a Python-based Flask API, reducing complexity and improving runtime efficiency by 75%.
- Developed comprehensive test suite (from 0% to 93% code coverage) and validated functionality using Postman; contributed to Java backend integration.

PROJECTS

Sentio

Mar 2025

- Social media app developed in a 6-person Agile team with Android Studio, OOP, unit testing, and user-centered design.
- Built core features in Java and XML: UI, data models, Google Maps API, authentication, user profiles.

LEADERSHIP EXPERIENCE

Indigenous in STEM Student Association

Co-President

May 2025 to Present

- Supporting Indigenous STEM students by leading a 10-member executive team, facilitating internal and external relations and events, securing funding (\$3000+) and resources, and creating a community for our 50+ members.