

Landys Lepine

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TECHNICAL SKILLS

Languages & Frameworks: Python, Java, C/C++, JavaScript, SQL, HTML, CSS (Tailwind), React, Django, Flask, REST

Cloud & DevOps: AWS (EC2, ECR, CloudWatch), Docker, Nginx, Gunicorn, GitHub Actions, Linux, CI/CD

Databases, Tools & Practices: Git/GitHub, Postman, Jira, VS Code, Android Studio, Agile/Scrum, OOP, TDD, Unit Testing (JUnit, Mockito, Pytest), Code Review, API Design, Responsive Web Design, PostgreSQL, MongoDB

Soft Skills: Teamwork, Communication, Leadership, Problem-Solving, Time Management, Attention to Detail

EDUCATION

University of Alberta

Edmonton, AB

BSc with Specialization in Computing Science - Software Practice | GPA: 3.5/4.0 (87.5%)

Expected Graduation: Apr 2027

PROFESSIONAL EXPERIENCE

TD Bank

Toronto, ON

Software Engineering Intern

Sept 2025 to Dec 2025

- Built, tested Java features for distributed credit platform serving 26M users and 100K employees across 1K+ branches.
- Implemented input validation and error handling with JUnit / Mockito; maintained 100 % coverage on all changes.
- Used Copilot to reduce routine dev time \approx 50 % while maintaining review and QA standards.

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Edmonton, AB

Software Developer Intern

June 2025 to Dec 2025

- Built an E2E feedback system (App \rightarrow Django REST \rightarrow PostgreSQL) processing 100+ entries/day for LLM fine-tuning.
- Developed expert-review & admin tools for domain-expert data filtering and model approval workflows.
- Deployed Dockerized stack (Nginx / Gunicorn on AWS EC2 + CloudWatch / ECR) and cut cloud cost \approx 35 %.

University of Alberta

Edmonton, AB

Software Engineer & AI/ML Research Assistant

May 2025 to Aug 2025

- Consolidated 50+ raw files into 1,000+ English \leftrightarrow Cree pairs; applied MT metrics (e.g., BLEU) to baseline and compare RAG/ICL/Reasoning variants.
- Built a Flask + React evaluation UI to run E2E tests and capture feedback; authored an AWS EC2 deployment guide.

CIBC

Toronto, ON

Software Developer Intern

May 2025 to Aug 2025

- Replaced 700 lines of VBA with \sim 300 Python, cutting runtime \sim 50%, automating SharePoint \rightarrow Excel reporting (\sim 100 rows).
- Achieved 100% test coverage using Python unit testing, documented all changes for technical & non-technical use.

Telesat Canada

Ottawa, ON

Software Engineering Intern

May 2024 to Aug 2024

- Refactored Flask/Python microservice (processed 1.4M + data rows), improved runtime \sim 75% by removing dead code and added features to related Java microservice ensuring inter-service alignment.
- Raised coverage 0 to 93%; validated APIs (Postman) & documented updates in Confluence.

PROJECTS

Sentio (github.com/cmpu301-w25/project-bread)

Mar 2025

- Implemented mood posts with geolocation & image upload, 5 km discovery, and a trends dashboard (overall distribution, monthly breakdowns, 7-day moving avg).
- Added Firebase Auth and JUnit/Espresso tests to reduce regressions and support scalable feature rollout.

LEADERSHIP EXPERIENCE

Indigenous in STEM Student Association

Co-President

May 2025 to Present

- Lead 10-person exec team supporting 50+ members; secured \$3K+ funding & 15+ partnerships; built website & onboarding resources.