

Landon Reed

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Portfolio: <http://lreed03.github.io/portfolio>

Education

The University of Calgary

GPA: 3.36 / 4.00

Bachelor of Science in Software Engineering

Expected Graduation: May 2028

Projects

Course Management & AI Study Assistant

- Built a full-stack application with React, Flask, and PostgreSQL to manage university course schedules and tasks.
- Developed RESTful API endpoints to support CRUD operations for courses and tasks, leveraging Flask for server-side logic and persistent data storage.
- Integrated Firebase Authentication with server-side Flask JWT token validation to secure user access and data.
- Developed a dynamic task dashboard using React hooks, conditional rendering, and reusable component architecture to improve usability and scalability.

Disaster Victim Tracking System

- Developed a Java-based CLI application to manage disaster response data, including victims, inquirers, medical records, and family groups, with a PostgreSQL backend.
- Designed object-oriented models to prevent duplication of person records and implemented logic to load and update relational data efficiently across multiple roles.
- Integrated JUnit tests and a mock database to verify functionality, support test-driven development, and improve the reliability of controller logic.

Powerlifting Web Application

- Built a full-stack web app using React and Flask that scrapes lifter data from Open Powerlifting using BeautifulSoup, including lifts, gender, and competition history.
- Implemented features like name disambiguation, manual lifter input with validation, and dynamic sorting/filtering of athlete data based on max lifts.
- Designed a responsive frontend with custom React components, real-time state management, and smooth UX for displaying, comparing, and adding lifters..

Experience

Ranch Hand – Bregliano Enterprises Ltd.

(July 2022-Present)

- Assisted with daily ranch operations including livestock care, feeding, and facility upkeep.
- Operated and maintained farm equipment to support seasonal tasks.
- Ensured safe and efficient handling of animals while following workplace safety protocols.

Front-End Supervisor – Rob's No Frills

(June 2020-July 2022)

- Supervised and trained front-end staff to maintain efficient checkout operations and excellent customer service.
- Resolved customer inquiries and issues to ensure satisfaction and smooth store operations.
- Handled cash reconciliation and maintained accuracy in daily financial transactions.

Technical Skills

Languages: Python, Java, SQL, HTML, CSS, JavaScript, C, C++

Frameworks & Libraries: React, Flask, BeautifulSoup

Developer Tools: Git, PostgreSQL, JUnit, MySQL