

Lado Logga

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Education

Wilfrid Laurier University

Expected May 2028

Bachelor of Science in Computer Science (PEP)

Waterloo, ON

- Coursework: Data Structures I/II, Object-Oriented Programming, Data Visualization, Software Engineering.

Projects

ScholarMatch — Python, Pandas, NumPy, Matplotlib — [GitHub](#)

- Built a scholarship matching tool that ranked 200+ scholarships against student profiles using a weighted scoring algorithm, reducing manual review.
- Designed a NumPy scoring model that computes 0–100 fit scores across 6+ weighted factors in O(n) time per profile, including GPA, major, and eligibility.
- Cleaned and standardized scholarship data across 10+ fields with Pandas, handling missing values and type mismatches to keep matching consistent.
- Added validation and JSON/CSV serialization for user and scholarship data to keep the pipeline easier to debug and extend.

Team Stats Analyzer — C++ — [GitHub](#)

- Built a C++ analytics tool that processed 3,500+ Premier League matches across 11 seasons, using custom sorting and ranking algorithms to generate league tables.
- Implemented multi-key comparison logic across 12+ metrics (possession, shots on target, corners, passes, etc) with tie breaking rules for accurate side-by-side analysis.
- Structured the program with OOP models and dynamic CSV parsing so new seasons could be added and analyzed without modifying the core logic.

ServiceLoop — TypeScript, React, Supabase, PostgreSQL — [View Site](#)

- Built a full stack CRM web app for service businesses to manage customer records, track pipeline activity, and automate outreach from one workflow.
- Designed segmentation logic using activity status, tags, and engagement history to filter and organize customers into targeted outreach groups.
- Added CSV import with schema validation and structured error handling to catch malformed rows during bulk onboarding before writing to the database.
- Integrated Gemini AI with rate limiting to generate personalized outreach drafts and account summaries without exceeding API quotas.

Hackathons

PitchReady — [View Site](#)

BEST DESIGN (\$50) - Laurier CS Hack The Future

- Built a web app that helps students practice presentations and mock interviews with real-time analysis and feedback.
- Used MediaPipe for real time eye tracking and the Web Speech API for speech recognition to analyze filler words, pacing, and answer quality.
- Connected GPT OSS 20B to generate personalized feedback and improvement suggestions based on the user's session.

Talks AI — [View Site](#)

TOP 10 - Tribe Network Black Youth AI Hackathon

- Built a web app that simulates “what-if” scenarios based on financial needs, helping small businesses prepare for and avoid unexpected challenges.
- Connected MindsDB to analyze the data and generate spending forecasts, giving users actionable insight into current and future costs.

Technical Skills

Languages: Python, SQL, C++, JavaScript, TypeScript

Frontend: HTML, CSS, React

Backend & Data: Supabase, PostgreSQL, MongoDB, Node.js, Express.js, Pandas, NumPy, Matplotlib, Seaborn

Tools: Git, GitHub, VS Code, Docker, MS Office