

Kristian Manaloto

✉ kristian.manaloto@outlook.com ☎ 639-535-0457 in LinkedIn GitHub Portfolio

Education

University of Saskatchewan

Sept 2020 – June 2025

B.S. in Computer Science



- **Coursework:** Operating Systems, Software Engineering, Computer Networks, Artificial Intelligence

Skills

Languages: Python, JavaScript, Java, C, SQL

Tools & Frameworks: Git, React, Tailwind, Node.js, Pandas, NumPy, Docker, MySQL

Projects

Forum Posting Platform  

Mar 2025

JavaScript, Node.js, React, Docker, SQL

- Built a full-stack messaging platform with real-time threaded conversations using React and Node.js/Express
- Designed and implemented secure RESTful APIs, handling authentication, messaging, and users
- Containerized the application with Docker to enable scalability, consistent deployments, and environment parity

RouteMetrics  

Sept 2025

Python, Data Visualization, Plotly

- Developed a GPS-based ride analysis tool parsing *.gpx* files to visualize paths with Plotly.
- Implemented algorithms to compute speed profiles, detect all stop events, and identify rapid acceleration segments with start/end speeds and G-force estimation.
- Applied numerical methods including outlier filtering, interpolation, and data smoothing to correct noisy sensor readings and produce reliable metrics.

Research - LLM Reproducibility Analysis  

Mar 2025

Python, Data Analysis

- Conducted a course-based research project evaluating how well Large Language Models could automate software issue reproduction across 150+ real-world examples.
- Analyzed reproduction success rates and identified key patterns in failure modes, highlighting trends that could reduce manual debugging time.
- Presented findings in a structured report with metrics and actionable recommendations.

Experience

Line Cook

Saskatoon, SK

Boston Pizza

Sept 2021 – Present

- Trained 10+ new staff on operational systems, showcasing the ability to explain technical processes clearly and concisely to non-technical individuals.
- Maintained strong communication across a team of 5+, demonstrating attentive listening and clear instruction under pressure.

Vehicle Detailer

Humboldt, SK

Discovery Ford

May - Aug 2024

- Managed 5-10 vehicles daily through the detailing pipeline from intake to showroom-ready, maintaining dealership presentation standards.
- Enhanced resale value through meticulous detailing, earning consistent positive feedback from customers and the sales team.

References available upon request.