

Matthew Polischuck

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TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C, HTML/CSS

Frameworks & Libraries: Node.js, Express.js, React, JQuery

Databases: PostgreSQL, MongoDB, DynamoDB

Tools & Platforms: Git, Docker, SQL Server Management Studio (SSMS), ODBC, Make

EXPERIENCE

BI Developer Intern (Automation & Data Integration)

January 2025 – Present

Arrow Machine & Fabrication Group

Kitchener, ON

- Engineered **10+ production-ready scripts** (Python, C#, JavaScript, SQL) to consolidate trial balances across **7 factories**, standardizing disparate data sources and automating month-end reporting for CFO and controllers.
- Built and deployed **2 proprietary Python applications** that automated data extraction from Sage50 and JobBOSS, enabling compliant CFP file generation for TD Bank migration.
- Authored comprehensive technical documentation for automation frameworks and data-integration tools, enabling seamless adoption by IT staff and reducing onboarding time for new developers.

Application Support Intern (SQL & Budgeting Systems)

May 2024 – August 2024

City of Peterborough

Peterborough, ON

- Designed and delivered an **interactive budget book and public-facing website** using Questica, centralizing **\$200 million+** in budget data for council and community review.
- Optimized complex SQL queries powering the city's budget reporting, cutting manual reconciliation time by **20%** and reducing redundant entries by **15%**, enabling finance staff to focus on analysis rather than error correction.

Web Development Intern (React/Drupal)

May 2023 – April 2024

Ontario Veterinary College

Guelph, ON

- Shipped **AODA-compliant React components** (media widgets, accessible headings, flexible layouts) into Drupal 10's production platform, directly improving usability for thousands of prospective students and staff.
- Collaborated with the university's full-stack team to deliver production updates and resolve bugs, contributing to a **15% reduction in accessibility issues** across the OVC website.
- Engaged in Agile development practices to ensure reliable and on-time delivery of site enhancements.

PROJECTS

Stocklore | *Node.js, Express.js, React, PostgreSQL*

January 2025 – Present

- Delivered **production-ready features and bug fixes** for a deployed web application, strengthening platform stability and enhancing the user experience for active users.
- Improved the user experience by stabilizing file upload flows, standardizing PDF generation formatting, and designing intuitive error-handling pages, ensuring consistent performance across user workflows.
- Maintained high-quality development practices through **GitHub workflows** (pull requests, peer code reviews, and issue tracking), fostering collaboration and maintaining a **reliable customer-facing product**.

YelpCamp | *Node.js, Express.js, EJS, MongoDB*

February 2024 – March 2024

- Built a full-stack application supporting **thousands** of campground listings and reviews with CRUD operations.
- Developed a robust **RESTful API** to manage user accounts, reviews, images, and campground data, ensuring **scalable and secure data persistence** with MongoDB.
- Implemented user authentication with hashed/salted passwords and integrated Mapbox for interactive geolocation of listings, enhancing security and usability.

SVG Molecule Viewer Website | *Python, C, SQLite, JavaScript*

January 2023 – May 2023

- Built an application that parses SDF files to render molecules in 3D with interactive manipulation along all axes.
- Managed server requests using Python and integrated a custom C library via SWIG for back-end operations.
- Created interactive SVG visualizations of molecules using matrix arithmetic, including comprehensive CRUD support for editing and management of individual atoms within molecules, using SQLite to store data.

EDUCATION

University of Guelph

Guelph, ON

Bachelor of Computing in Computer Science, Minor in Statistics, GPA: 3.7

Sept. 2021 – Expected Apr. 2026