

Nicholas Parise

np21ei@brocku.ca | +1 289-795-1177

github.com/Nicholas-Parise | [linkedin.com/in/nicholas-parise](https://www.linkedin.com/in/nicholas-parise) | NicholasParise.com

EDUCATION

Bachelor of Computer Science

Brock University

Sep 2021 - Dec 2025

St. Catharines, ON

SKILLS

Programming Languages Python | Java | C++ | JavaScript | HTML | CSS
Frameworks & Tools Angular | Android | Arduino | Fusion 360 | Git | Power Automate | Power Apps
Database & DevOps Azure DevOps | Dataverse | Jira | PostgreSQL | Oracle Cloud Infrastructure

EXPERIENCE

Ministry of Public and Business Service Delivery

January 2023 - January 2024

IT Service Management integrator

St. Catharines, ON

- Led development of the Service Management Digital Portal, a government platform designed to streamline cross-ministry cooperation by simplifying service assessment processes.
- Built and implemented complex tables and over 20 Power Automate flows using the Power Apps platform to enhance functionality and efficiency.
- Mentored fellow co-op students in web development and the Microsoft Power Platform, fostering skill development and collaboration.
- Improved user and developer experience by creating and editing over 100 pages of technical documentation, including comprehensive user guides.
- Created 50+ JavaScript enhancements, including Dataverse integrated auto-save, optimizing UI/UX, and ensuring compliance with government accessibility standards.

Pack N Rail

May 2022 - August 2022

Secretary

Burlington, ON

- Maintained office productivity by managing phones and emails, purchasing office equipment, creating invoices and purchase orders, filing paperwork and General IT/computer help.
- Increased client retention by actively communicating with customers so our service could best suit their unique needs.
- Increased productivity by reorganising the filing system to better reflect frequent access to archival purchase orders.

NOTABLE PROJECTS

NicholasParise.com

August 2024

Static Angular Portfolio

Burlington, ON

- Independently built a static Angular website to show off my interests, projects, and to learn the framework itself.
- Configured a custom VPS instance on Oracle Cloud Infrastructure, setting up a Linux server environment to host the portfolio, ensuring optimal performance, reliability, and security. Gaining valuable hands-on experience with cloud deployment.

Campus navigation app

April 2024

Android App

St. Catharines, ON

- Collaborated with a peer to develop a GPS-enabled android app, simplifying navigation within Brock University's campus and enhancing accessibility for new students and visitors.
- Integrated Esri ArcGIS Runtime API for offline mapping, leveraging MapView and GraphicsOverlay to display geospatial data and support real-time navigation..
- Processed and georeferenced building data using ArcGIS Pro, converting PDFs into geospatial layers for accurate mapping.

Traffic simulator

May 2024

Java Application

St. Catharines, ON

- Designed an object-oriented simulation engine with a modular architecture featuring vehicles, roads, intersections, and a player interface.
- Implemented autonomous vehicle behavior, enabling cars to navigate roads, adjust speed, change lanes, and avoid collisions dynamically.
- Modeled map data as a directed graph, facilitating efficient pathfinding and intersection queue management for traffic flow.