

NATHAN CARD

+16139216990 | ncard24@gmail.com | linkedin.com/in/nathan-card-dev

SUMMARY

Full-stack developer pursuing a Master of Science in Computer Science with hands-on experience in designing, developing and maintaining software using diverse tech stacks. Adept at understanding functional and non-functional business or technical requirements and developing innovative solutions accordingly. Diverse team player and leader with a passion for coaching and nurturing an inclusive workplace. Versatile knowledge of algorithms, data structures and programming languages to develop high-quality applications.

SKILLS

Skills: Next.js, Node.js, JavaScript, Jest, Git, HTML/CSS, Java, MongoDB, Pytorch, React.js, Redux.js, REST APIs, Python, TypeScript, Web Development, Express.js, Firebase, Software Testing, Vercel, Webpack, Rust, Agile, D3.js, Data Structures & Algorithms, Docker

EDUCATION

University of York

Master's, Computer Science

May 2023 - May 2025

GPA: 3.7

- Research Interests: Artificial Intelligence and Computer Vision
- Completed Courses: Algorithms and Data Structures, Advanced Programming, Artificial Intelligence and Machine Learning, Software Engineering, Big Data Analytics

Trent University

Bachelor's, History

September 2010 - May 2015

GPA: 3.7

PROJECTS & OUTSIDE EXPERIENCE

Rust, Next.js, Tauri

Pomodoro Timer

November 2023 - January 2024

- Built a program that tracks time for users based on the Pomodoro method.
- Created a cross OS program using Tauri, fully functional on MacOS and Windows.
- Utilized Rust for the backend and Next.JS for the frontend through the Tauri API.
- Designed, developed, tested and rolled out scalable web and software applications in-line with technical requirements.

Python, Matplotlib, Seaborne

British Radio Tower Tracker

July 2023 - September 2023

- Built a program that sourced, parsed and synthesized large volumes of government data
- Tracked 180+ British Radio Towers and successfully updated the database with all relevant information changes.
- Utilizing Seaborne and Matplotlib, to visualize the database information with a proven accuracy of 95+%.
- Applied Agile project methodologies to steward all communications, dependencies, and milestone attainment within deadline.
- Conducted code reviews to evaluate areas of improvement and form corrective solutions accordingly for scalability and hygiene.
- Defined software architecture, designs and specifications with expertise in service-oriented architecture (SOA), object oriented programming (OOP).

TypeScript, React, Next.js, TailwindCSS

Shopify E-Commerce Template

March 2023 - March 2023

- Developed an e-commerce store template to deliver a feature-rich shop experience with faster page loading speed.
- Used a Shopify product API for test products and spearheaded the design, development and launch of a store with individual item pages and a checkout process with a fully responsive layout for mobile shopping.
- Improved page loading speed time by 30% using Next.JS.
- Ensured rigorous standards of documentation, and used a wide range of development tools to manage processes, version control and quality.

PROFESSIONAL EXPERIENCE

Wild Card Brewing Co

Co-Founder & Head of Operations

Quinte West, ON, Canada

May 2015 - September 2023

- Completed a successful exit of the company to a strategic buyer in 2023.
- Managed a team of 6 employees.
- Launched a beverage & merchandise company that achieved Province-wide distribution then launched an e-commerce store in 2019.
- Worked in teams of all sizes with an approach focused on collaboration and mentorship to build capacity within the organization

MASS Environmental Services

Finance Co-ordinator

Cobourg, ON, Canada

September 2019 - March 2022

- Prepared financial reports and statements for senior management using Quickbooks and Microsoft Excel
- Processed invoices for data entry and backups ensuring timely recording of transactions

MASS Environmental Services

Waste Auditor/Technical Services Coordinator

Cobourg, ON, Canada

January 2017 - September 2019

- Completed waste audit reports across various industries, improving reporting to enhance clarity and efficiency in data analysis.
- Coordinated technical support activities with nationwide locations and companies, troubleshooting issues and arranging repairs.