

Ethan Brazeau

Ottawa, ON | Phone: 613-851-8369 | Email: ethanbrazeaujr@gmail.com

Website: <https://ethansresume.pages.dev/>

Education

Graduate Certificate – Business Intelligence Systems Infrastructure (Machine Learning)

Algonquin College, Ottawa, ON
Graduated: April 2026

Diploma – Software Development

Algonquin College, Ottawa, ON
Graduated: April 2025

High School Diploma

Holy Trinity Catholic Highschool
Graduated: June 2021

Technical Skills

Programming & Languages:

HTML5, CSS3, JavaScript, PHP, Python (Data Analysis & Machine Learning), C#, SQL, Linux, XML/XSD, JSON

Web & Application Development:

Blazor (ASP.NET), Razor Pages, React.js, .NET, Bootstrap, Tailwind CSS, RESTful API development

Databases & Servers:

MySQL, phpMyAdmin, LAMP Stack (Linux, Apache, MySQL, PHP), API integration

Machine Learning & Data Analytics:

Python (Pandas, NumPy, Matplotlib, scikit-learn), data cleaning & preprocessing, feature engineering, regression and classification models (Linear, Logistic, Decision Tree, Random Forest), model evaluation (RMSE, MAE, accuracy, confusion matrix), train/test splits, Object Detection, Image Translation, Computer Vision, Neural Networks,

Business Intelligence & Visualization:

Tableau, Power BI, data dashboards, exploratory data analysis, insight-driven reporting, Excel, PowerPoint, Streamlit

Cloud Development:

AWS EC2 concepts, Linux hosting, S3 storage & access management, IAM users/roles, VPC fundamentals, secure cloud applications (HTTPS / SSL)

Web Security:

Input validation, SQL injection prevention, secure password storage (hashing/salting), HTTPS/SSL configuration, authentication fundamentals, database access control, OWASP principles (ZAP, WebGoat)

Design & UX:

Figma, Adobe Illustrator, Photoshop, UI/UX best practices, accessibility, SEO optimization, schema markup

Relevant Work Experience

Nexify Tech (Startup) – Ottawa, ON | Remote Work | Junior Software Developer | May 2025 – October 2025

- Helped build and maintain a custom web application using PHP, MySQL, HTML, CSS, and JavaScript.
 - Designed and updated relational database tables following proper normalization practices.
 - Implemented secure login systems using bcrypt password hashing and prepared statements.
 - Built backend routes and connected them to front-end forms and dashboards.
 - Fixed bugs and refactored legacy code as the product evolved.
 - Worked directly with the founder to quickly ship features based on client feedback.
-

Projects & Academic Work

CMG Massage Therapy Website (Capstone)

PHP, HTML5, Tailwind CSS, JSON, Google Sheets API

- Led a small team to design and develop a professional website for a real-world client
- Implemented mobile-first, responsive design using Tailwind CSS
- Integrated Google Sheets API to create a lightweight CMS for managing services without code changes
- Applied SEO best practices including schema markup and local keyword optimization

Stock Market Data Analysis Project

Python, Pandas, NumPy, scikit-learn, Jupyter Notebook

- Analyzed historical stock market data to identify trends, volatility, and price movement patterns
- Performed exploratory data analysis and engineered features such as daily returns and moving averages
- Built and evaluated machine learning models using train/test splits and performance metrics including RMSE and accuracy
- Visualized insights to support data-driven decision-making

Student Registration Web Portal

Blazor (ASP.NET), Razor Pages, C#, MySQL, Visual Studio

- Built a full-stack web application allowing users to view, add, and enroll students in courses
 - Utilized Blazor Server and Razor Pages for routing, data binding, and UI logic
 - Connected to a MySQL database for persistent student and course data and implemented backend logic, validation, and clean architecture in C#
-

Additional Work Experience

CSR / Sales Associate

Ottawa Fasteners | January 2025 – April 2025

- Provided front-line customer service and assisted clients with product selection and inquiries
- Supported sales operations, inventory handling, and order processing in a fast-paced environment

Sales Associate / Cashier

VaporWave | March 2023 – September 2023

- Delivered consistent customer service while handling point-of-sale transactions
- Maintained organized displays and assisted customers with product recommendations