

JOSH MUSZKA

www.jmuszka.com | jmuszka@uwo.ca | linkedin.com/in/jmuszka | github.com/jmuszka

EDUCATION

B.Sc. Honours Specialization in Computer Science

September 2022 - Present

University of Western Ontario

GPA: 3.9/4.0

- **Courses:** Data Structures & Algorithms, Databases, Machine Learning, AI, Operating Systems
- **Awards:** Deans Honour List, Bennie and Shirley Bradshaw Award in Science, Scholarship of Excellence

TECHNICAL SKILLS

Languages: Java, Python, JavaScript/TypeScript, C/C++, SQL, HTML/CSS, PHP, Kotlin, R

Libraries & Frameworks: Django, Node.js, React, Next.js, Vue.js, pandas, NumPy, Polars, Scikit-learn

DevOps & Tools: Git, Linux, MySQL, PostgreSQL, MongoDB, Apache, AWS

WORK EXPERIENCE

Web Developer

July 2023 - Present

Gruv Media

London, ON

- Develop websites and full-stack applications using Python, Django, PHP, Wagtail, WordPress, and React.
- Major upgrades and maintenance on Django websites, enhancing security and performance, improving load times by 50%.
- Integrated Stripe payment API for secure and efficient payment processing for client e-commerce platforms.
- Collaborate with clients and team members to understand project specifications and deliver products that meet their needs.

Full-Stack Engineer

November 2024 - Present

3DWestern

London, ON

- Working on a team to design and develop a website that facilitates 3D printing orders for club members.
- Responsibilities include back-end architecture, database design, and feature design to create a seamless UX.
- Utilizing Next.js, Express.js, MongoDB, and Tailwind; integrating Stripe for payment processing.

Retail Associate

August 2023 - Present

Delaware Variety & LCBO Outlet

Delaware, ON

- Oversee responsible, legal sale of alcohol, tobacco, and lottery tickets, ensuring compliance with regulations.
- Stock shelves, unload bi-weekly deliveries, and organize storeroom inventory to ensure efficient operations.
- Address customer inquiries and resolve complaints to enhance satisfaction and ensure a positive experience

PROJECTS

EtymoMap | OpenAI, Express.js, React, Three.js, MySQL

November 2024 - Present

- Web application to search and display the etymological origins of any English word, including language families, ancestor words and cognates, and historical context.
- React site hosted on AWS EC2 instance; data received from Merriam-Webster Dictionary API, preprocessed and extrapolated with OpenAI's LLM API.

j-photos | PHP, Bootstrap

December 2023 - January 2024

- Built a secure, self-hostable cloud-based photo storage solution with integrated front and back-end.
- Users can login and upload, view, and delete photos from their account, within storage limits.

RetroPi | Node.js, Electron

June - August 2023

- Created desktop application with JavaScript that allows users to play retro Nintendo games.
- Python modules created to handle emulators and local storage; software deployed on an OrangePi 5.

DataQuest 2024 Hackathon | pandas, NumPy, Scikit-Learn

April 2024

- Designed machine learning model in a team-based case competition to train on 30,000 tuples and predict credit card fraud with 94% accuracy.