

JOSH MUSZKA

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EDUCATION

University of Western Ontario, London, ON | *Bachelor of Science* 2026

- Honours Specialization in Computer Science, Minor in Software Engineering
- Related Coursework: Data Structures & Algorithms, Computer Architecture, Database Management, Systems Programming, Machine Learning, Artificial Intelligence, Operating Systems

WORK EXPERIENCE

Gruv Media July 2023 - Present
Web Developer London, ON

- Develop websites and full-stack applications using Python, Django, PHP, Wagtail, Wordpress, and React
- Facilitate clear communication with clients to understand design specifications and ensure the timely delivery of projects
- Implement and maintain server technologies, including CPanel, Apache, and PostgreSQL, and enhance security measures to safeguard against potential threats
- Collaborate with team members to troubleshoot technical issues and optimize project workflows

Delaware Variety & LCBO Outlet August 2023 - Present
Retail Associate Delaware, ON

- Manage cash transactions and operate point-of-sale systems while ensuring compliance with regulations for alcohol, tobacco, and lottery sales
- Maintain stock on shelves and storage spaces, enhancing customer satisfaction and facilitating efficient operations
- Uphold cleanliness and organization standards through regular cleaning and waste-management practices

CERTIFICATIONS & AWARDS

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|---|------------|
| AWS Certified Cloud Practitioner | 2024 |
| Dean's Honour List | 2023, 2024 |
| Bennie and Shirley Bradshaw Award in Science | 2023 |
| Western Scholarship of Excellence | 2022 |
| Western Game Design Society GameJam 2023 Competition Winner | 2023 |

SKILLS & INTERESTS

Programming Languages: Java, Python, JavaScript, TypeScript, C, C++, PHP, C#, Kotlin, R

Frameworks: Django, React, Vue.js, Node.js, Android Studio, Wordpress, HTML, CSS

Other Skills: MySQL, PostgreSQL, Linux, Git, Apache, NGINX, AWS, Microsoft Office, Adobe Creative Cloud

Interests: Hiking, Archery, Fitness, Trivia, Volunteering, Playing the Cello

PROJECTS

EtymoMap | github.com/jmuszka/EtymoMap October 2024

- **OpenAI, Node.js, React, Three.js**
- 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 API

j-wave | github.com/jmuszka-cloud/j-wave May 2024

- **Django, Node.js, Vue.js, MySQL**
- Created Python wrapper with Telegram API to interface with bot that previews and downloads music
- Implemented Django backend to serve React frontend, allowing users to stream and save their favourite songs and playlists in a browser

j-photos | github.com/jmuszka-cloud/j-photos

December 2023

- **PHP, Bootstrap**
- Built self-hostable cloud-based photo storage solution
- Users can login and upload, view, and delete photos from their account, within storage limits

RetroPi | github.com/jmuszka/RetroPi

July 2023

- **Node.js, Electron**
- Used JavaScript to build desktop application that allows users to load and play retro Nintendo games. Python classes created to handle emulators and local storage
- Software deployed on an OrangePi 5 to act as an all-in-one game console

DataQuest 2024 Hackathon | github.com/raginggoosedev/dataquest-2024

April 2024

- **Pandas, NumPy, Scikit-Learn**
- Worked as a team of four to investigate credit card fraud case study
- Designed Random Forest Classifier machine learning model to predict fraudulent transactions with 83% accuracy