ZAYD H.M. ALNUWEIRI

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Portfolio: zhma.netlify.app   200 Redpath, Toronto, ON, M4P0E6

EDUCATION

Dalhousie University, Halifax, Canada
Bachelor of Applied Computer Science   2022 - 2025

KEY TECHNICAL SKILLS

Programming Languages: PHP, JavaScript, C#, Java, Python, SQL, HTML, CSS

Web Development & Frameworks: Node.js, React, Vue.js, XAMPP, Spring Boot, RESTful API development, Modern Web Standards, Accessibility-aware UI (WCAG/AODA familiarity)

Databases & Cloud: MySQL, MongoDB, Azure SQL (migration experience), Cloud Deployment Workflows, Database Optimization

Version Control & Collaboration: Git (GitHub, GitLab, GitFlow), Advanced Merge Conflict Resolution, Code Review Workflows

Development & Testing Tools: Jira, Postman, Automated and Integration Testing, Brain-Computer Interfaces

Game Development: Unity (C#), Physics & Player Movement System Testing, Prototype Development, Eye-Tracking Integration for BCI Systems

Software Engineering Concepts: Full-stack Development, API Integration, Database-driven Web Applications, SQL Query Optimization, Proof-of-concept Development, Service Performance Debugging

Data Science & Analytics: Data warehousing, Data mining & Pattern recognition, ETL processes, Data Visualization, Basic Machine Learning, Classification & Clustering Algorithms

EXPERIENCE

References and Letters of Recommendation
Available upon request

Silent H Bar/Restaurant, Toronto, Canada
Web Development Contractor (Fullstack)   September 2025 - December 2025
- Delivered a production React website from Figma designs, followed by subsequent contracts for iterative enhancements under continuous client feedback.
- Implemented full-stack features using React, EmailJS, and PostgreSQL, including API-driven forms and mailing-list integration.
- Migrated production deployment from Netlify to Cloudflare, configuring DNS, routing, and redirects to eliminate legacy exposure.
- Rebuilt legacy WordPress site into React architecture. Resolved Klaviyo Newsletter rendering issues.

Currus AI, Toronto, Canada
Junior Developer (Fullstack)   June 2025 - Current
- Contributed to an AI-powered detection platform, enhancing alert workflows, timeout logic, and UI.

- Repaired Linux-based alert acknowledgement systems and implemented UI updates to use them.
- Documented Git repositories, enforced repo structure standards, and supported onboarding with .env configuration.
- Redesigned and rebuilt the company's website from into a modern, accessible **React** architecture.

Zeuron, Halifax**,** Canada
Development Director and Team Co-Lead, Open-Source Project   January 2025 - April 2025
- Led Agile delivery of a multi-level Unity-based BCI calibration game used in research testing.
- Directed a cross-functional team, unblocking developers and coordinating sprint execution.
- Designed core game systems and supervised functional prototypes.
- Served as Git lead, managing branching strategy, code reviews, and complex merge conflicts.
- Maintained project continuity by migrating workflow from Jira to GitLab during service outages.

Dalhousie University, Faculty of Computer Science, Halifax, Canada
Senior Developer (Full Stack) - Open-Source Project   May 2024 - September 2024
- Rebuilt a dysfunctional PHP-based Peer Review System into a stable, scalable digital service with new UI components and backend features.
- Managed all Git releases, merges, and conflict resolution; enforced GitFlow across the team.
- Performed full **Azure SQL cloud migration**, including schema refactoring and data-migration scripts.
- Collaborated with clients in sprint reviews and weekly standups; deployed the final product to Azure.

Independent Tutoring Services, Halifax, Canada
Part-time Tutor/Lecturer for Software Engineering & Web Dev   May 2024 - September 2024
- Delivered instruction in PHP, React, SQL integration, Git, and Agile workflows.
- Mentored students through iterative development of small web applications.

Zeuron, Halifax**,** Canada
Junior Game Developer and Test Engineer, Open-Source Project   January 2024 - April 2024
- Improved **Unity-based BCI** testing game by **redesigning physics settings, player movement**, and **stability systems**.
- Performed **functional and negative testing** to validate BCI **calibration** accuracy and resolve defects.
- **Developed strong early Git conflict-resolution** and collaborative Unity workflow skills.

LMIFG, **(iA Financial Group)**, Remote, Canada
Lead Administrative Intern - Internship   June 26 2023 - January 14 2024
- **Managed multi-stage recruitment** workflows and built a **MySQL database** to streamline administrative operations.
- Served as Manager Doug Wolf's Administrative Assistant.

Currus AI, Orlando**,** Florida
Web Development Intern - Paid Internship   May 2022 - September 2022
- Helped convert a Python desktop application into a full-stack web application using Node.js, React, and MongoDB.
- Implemented MVC patterns and API logic to maintain data integrity.

Extended + Detailed Work History

Available upon request