

Ryan Dickinson

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SKILLS

PHP | JavaScript | MySQL | SQL | GitHub | Git | VueJS | HTML5 | CSS3 | NodeJS | Express.js | Python | Flask | Bootstrap5 | Swift | Kotlin | Linux System Administration | DNS Record Management | Email Administration |

EDUCATION

Northern Michigan University | B.S. Mobile & Web Application Development 2019-2023 GPA: 3.43

PROFESSIONAL EXPERIENCE

LakeState Industries

Sept. 2019 - Present

Direct Care Aide

- Engaged community integration through activities/exercise, supported daily tasks, adhered to meal plans/grocery assistance, followed care plans (IPOS), and meticulously documented all interactions/incidents for comprehensive reporting.

Affordable Doors & More LLC

August. 2017 - Present

Web Design

- Enhanced an existing website using Webflow (HTML5, CSS3, JavaScript) to meet business needs, while optimizing for increased organic traffic and integrating a customer estimate form.
- Managed web hosting, domain services (DNS maintenance), bolstered security with an SSL certificate, and conducted bi-weekly client meetings for content updates on the site.

Northern Michigan University Chemistry Department

January. 2023 - May 2023

Consultant - Full-Stack Web Application Development

- Led the transition of the NMU Chemistry Department's Chemical Inventory & Resource Management platform from PHP to NodeJS, focusing on a user-friendly interface and robust back-end architecture for faculty, students, and public access.
- Overhauled the database schema, enhanced back-end architecture to interface with MySQL, ensuring system scalability, efficiency, and smooth functionality across devices, playing a crucial role in the platform's comprehensive advancement.

PROJECTS

Picture Database

- Developed a secure PHP/MySQL picture database web application with user authentication, CRUD operations, and an intuitive interface for upload, edit, and deletion of pictures, while also ensuring admin-level access for user and picture management.
- Added functionality with keyword-based search, optimizing picture retrieval based on tags,

titles, and descriptions, while implementing stringent security measures like parameterized queries, prepared statements, and robust password hashing using PHP's `password_hash()`.

Population Database Visualization in Python Flask

- Established a connection to a local MySQL database housing extensive country population data, empowering the web application to tap into a comprehensive dataset for analysis.
- Developed a responsive HTML template incorporating a slider feature, empowering users to dynamically select and visualize between 0 to 25 countries at their discretion, facilitating an interactive and user-controlled experience.