

Michael O'Connell

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Education

University of Oregon

• June 2018 - March 2021

Bachelor of Computer and Information Science

• **Courses:** Software Engineering, Data Structures, Algorithms, Operating Systems, Artificial Intelligence

Skills

Languages: JavaScript, TypeScript, C#, Python

Technologies: React.js, Next.js, MSSQL, MySQL, AWS, Bash, Git, Docker, NGINX, Apache, IIS, Bootstrap

Professional Experience

IEQ Technology

Eugene, OR

Full Stack Web Developer - Web Development Team

March 2022 – Current

- Maintained, troubleshooted, added features to and led deployments on seven high-priority client applications. Applications used HTML, CSS (Bootstrap), JavaScript (jQuery, jQuery UI, Vue), C#, PHP, Java, .NET (ASP.NET Webforms, ASP.NET Web API), SQL, MySQL, IIS, NGINX, Apache, Docker, and Unity.
- In a test taking and administering application, improved multiple high-traffic API endpoint response times from minutes to seconds or milliseconds through optimizing SQL stored procedures. Resulted in a smoother test-taking experience for thousands of students and instructors.
- Routinely participated in an Agile Workflow where Kanban was used for project management, Jira for ticketing system software, and Git for version control.

Palo Alto Software

Eugene, OR

Web Development Intern - Marketing Team

Aug 2021 – Dec 2021

- Contributed to Palo Alto's Marketing sites by adding new content, resolving bugs, and creating new tickets and stories to address areas for improvement, specifically W3C and Lighthouse compliance and automation.
- Used Bash, Git, Docker, HTML, CSS, Sass, PHP and JavaScript on a daily basis.

Projects

Empty Fridge

- AI-powered recipe idea generator that creates dynamic recipes based on ingredients and preferences.
- Built using React, NodeJS, Bootstrap, and NextJS as its full-stack framework. Open AI's Chat API is used for generating recipes. Unit testing is done using Jest. Deployed using AWS Amplify.

World's Best Cheese Locations

- Webpage displaying the World Cheese Awards' Super Gold Award Winners locations and breakdown of winners by country.
- The webpage was written in HTML, CSS and Javascript and uses Google Maps API and AnyChart API. The project uses Flask (Python) as its web framework and MySQL for its database.

Blackjack

- Traditional Blackjack game that uses the Deck of Cards API for generating the card deck and handling cards.
- Written using HTML, CSS and Javascript. Uses Asynchronous Programming and Object-Oriented Programming concepts in Javascript.