Michael O'Connell

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github.com/michaeloconnelliii

Education

Bachelor of Science in Computer and Information Science | University of Oregon | 6/18 - 3/21 | GPA: 3.5

Experience

Full Stack Web Developer | IEQ Technology | 3/22 - Present

- Implemented, tested and deployed new feature requests on a variety of projects. Required the development of new user interfaces and functionality, API endpoints and database queries, statements and stored procedures.
- Improved multiple high-traffic API endpoint response times from minutes to seconds or milliseconds through SQL optimization.
- Improved website security and 3rd party integration by securing API endpoints through session-state authorization and creating server-side mechanisms for successfully authenticating 3rd party requests.
- Created a company test environment in response to a 3rd party migration from Apache to NGINX. Required setting up and configuring microservices using Docker, configuring a reverse proxy server from NGINX to Apache and configuring a remote debugging setup.

Web Development Intern | Palo Alto Software | 8/21 - 12/21

- 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.
- Participated in an Agile Workflow which included weekly estimation, code review and quality assurance processing.
- Researched opportunities for company improvement and translated research into tickets and stories using Jira.
- Used the macOS command line, Git, Docker, HTML, CSS, Sass, PHP and JavaScript on a daily basis.

Projects

World's Best Cheese Locations | 12/21 - 1/22

- 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 | 11/21 - 12/21

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

Portfolio Webpage (michaeloconnelliii.com) | 9/21 - 10/21

- Created, designed and deployed a custom, dynamic and responsive personal portfolio page with interactive components.
- Written using only HTML, CSS and Javascript. Deployed using AWS Amplify and Route 53.

Skills

HTML | CSS | JavaScript | MySQL | MSSQL | NGINX | Apache | Microsoft IIS | .NET | Python | C# | Git | Linux and MacOS Command Line | Docker