Michael A. Chiou

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OBJECTIVE
Software development job opportunity applying teamwork, technical skills, analytic abilities, and quick learning

EDUCATION
The Ohio State University, Columbus, Ohio   Overall GPA (4.00 scale): 3.923
B.S., Computer Science and Engineering, December 2023

QUALIFICATIONS
- **Programming:** Proficient in JavaScript, React, AngularJS, Express, Node.js, Java EE, Oracle SQL, Python, C#; familiar with MongoDB, WordPress, Android Studio
- **Teamwork:** Experienced with collaborative design projects, Git, and Agile Scrum from engineering internships
- **Technical:** Hands-on experience incorporating data structures, theory and algorithms, APIs, and design patterns

ENGINEERING EXPERIENCE
Software Development Intern – (May 2023 – August 2023)
  Lexon Corporation, Dublin, Ohio
- Onboarded automotive manufacturing clients (OEMs) though tailored integrations using Java EE and Oracle SQL
- Designed complex relational database schemas in Oracle SQL to handle EDI auditing and order management
- Trained other interns in AngularJS to collaboratively develop scanner frontends for logistics and part inventory
- Architected API Endpoints to seamlessly automate a warehouse facility and foster efficient data exchange

Web Developer, Information Technology Technician Intern – (August 2022 - Present)
  Central Ohio Tax Company, Columbus, Ohio
- Rewrote the entire company website from scratch using React to reduce response time and cut monthly costs
- Maintaining and optimizing 3 servers across 3 offices for speed, storage, security, connectivity, and reliability
- Managing and built over 12 systems to elevate system performance, stability, and usability to boost productivity
- Established a robust network between clients, servers, and cloud services to foster inter-office data exchange

Full-Stack Web Development Intern – (March - May 2020)
  Northwoods, Dublin, Ohio
- Maintained the Northwoods Traverse web app service using React, JavaScript, Ruby on Rails, PostgreSQL
- Utilized AWS EC2, ECS, and CoffeeScript/JavaScript to reduce company AWS costs by 6%
- Collaborated with co-workers via pair programming to implement iOS mobile app features with Swift

ACADEMIC AND COMPANY PROJECTS
Travel Planner App (https://github.com/YytRecg/TravelPlannerApp) – (February – June 2023)
- Synergized ChatGPT, Firebase, Google Maps, and Flickr API to develop a comprehensive travel planner app
- Leveraged Android Studio to design a tailored Android app, blending innovation with user-centric design

Central Ohio Tax Company Website Rewrite (https://ohtx.com) – (December 2022)
- Rewrote the entire website for Central Ohio Tax Company from scratch using React and Bootstrap
- Eliminated monthly WordPress costs while cutting the website response time from 13 seconds to under 1 second

Virtual Reality Showcase in Unity Project (https://youtu.be/g8xfKMycDiw) – (November 2022)

Maze Generator in Unity Project – (September 2022)
- Implemented Kruskal's graph theory algorithm in C# to procedurally generate 3D mazes in Unity (game engine)

Super Mario Bros Recreation Project – (January - May 2022)
- Collaborated in a 5-member team using Agile Scrum and Git to write Super Mario Bros. from scratch using C#
- Implemented design patterns and optimization strategies to increase code performance by 30%

PERSONAL PROJECTS
Image Gallery Project – (July - September 2022)
- Developed a feature-rich full-stack image gallery web application using JavaScript, React, Express, Node.js
- Engineered scalable code to manage large-scale hashing, resizing, renaming, and transferring of image files
- Integrated intuitive hotkeys and UI layouts to optimize viewing experience for desktop and mobile platforms