



Michael Chiou

Software Developer

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SKILLS

2+ Years Experience

★ HTML, CSS, JavaScript
Java

1+ Years Experience

★ C/C++
★ Python

0-1 Year of Experience

★ PHP, Laravel
SQL
C#

EDUCATION

B.S. Computer Science

Ohio State University

GPA: 3.93 / 4.00

May 2020 - December 2023

NOTES

I wrote this resume in HTML!

Updated on 2025-10-20

EXPERIENCE

Priority-based Control Engineering

December 2023 - Present

- Optimized real-time systems and simulations in unit generation control to maximize profit in MISO's energy market
- Analyzed simulation and historical data to discover insights on market trends and energy unit tendencies
- Migrated a legacy WAMP web app to Laravel and redesigned older pages with a new design system
- Formulated mathematical models to interpolate wind generation data to provide data granularity for simulations
- Refactored a generation monitoring software to reduce memory usage by 30% (~100 MB)

Lexon Corporation

May 2023 - August 2023

- Onboarded automotive manufacturing clients through tailored integrations using Java EE and Oracle SQL
- Designed complex relational database schemas in Oracle SQL to handle auditing and order management
- Trained other interns in AngularJS to collaboratively develop scanner frontends for logistics and part inventory
- Architected API Endpoints to help automate a warehouse facility and foster efficient data exchange

Central Ohio Tax Company

August 2022 - December 2023

- Rewrote the company website using React to reduce response time to under 1 second and cut monthly costs
- Maintained and optimized 3 servers across 3 offices to enable inter-office data exchange
- Developed technical infrastructure plans for networking, surveillance, and access control systems across a 10-acre office complex (2025)

Northwoods

March 2020 - May 2020

- Maintained the Northwoods Traverse web app service using React, JavaScript, Ruby on Rails, PostgreSQL

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