

## Skills

- JavaScript - jQuery, dygraphs, d3, React
- Back-end development - PHP, composer, BASH
- Databases - PostgreSQL, Neo4j, MySQL
- Big data ETL (Extract, Transform, Load) - R, Python, FORTRAN
- Content Management Systems - Drupal, WordPress
- Version control - Git, GitHub
- REST(ful) APIs and database ORMs - Django

## Experience

### Cyberinfrastructure Engineer - Great Lakes Observing System

Ann Arbor, MI, May 2021 - present

- Maintaining operations during the organization's migration to cloud computing enterprise
- Providing technical guidance for the organization's project portfolio
- Producing high level documentation for critical operational certification

### General Programmer/Analyst - Cooperative Institute for Great Lakes Research (CIGLR)

Ann Arbor, MI, January 2012 - April 2021

- Redesigned the National Oceanic and Atmospheric Administration's Great Lakes Environmental Research Lab's (NOAA-GLERL's) website for accessibility
- Developed, maintained over **10** data driven web pages for projects being performed by NOAA-GLERL in partnership with CIGLR, effectively communicating scientific observations
- Produced plots and tables of processed data which supported over **20** publications, presentations, and scientific posters (average about **2-3 per year**)
- Mentored an intern for the Summer of 2018 in database development
- [ORCID: 0000-0002-1896-1390](#), [CIGLR Profile](#)

### Data Insights Intern - Domino's Pizza World Resource Center

Ann Arbor, MI, May-August 2011

- Developed a data-driven online sales system security application
- Implemented a then innovative statistical technique to detect abnormal sales declines
- Prototyped a web interface to the system
- Presented results to top executives

## Education

**B.S. - 2012 - University of Michigan, Ann Arbor, MI - Data Science**