

## Jacob Jeffries

Portfolio: [www.jeffries.info](http://www.jeffries.info)  
<https://github.com/Jacob-Jeffries>

### Summary

Attentive fullstack web developer with 1 year of combined experience in LAMP & MERN stacks. Proven track record of building functional chemical inventory applications, delivering value and innovation in purchasing, chemical management, and inventory control.

### Core Competencies

- Fullstack Web Development (LAMP / MERN)
- Team Coding
- UI/UX Design
- HTML, CSS (Vanilla & Bootstrap)
- ReactJS
- JavaScript (Browser & Node.js)
- Express Server (RESTful API)
- MySQL & MongoDB
- Apollo GraphQL
- Inventory Control

### Development Projects

ReactJS Portfolio <https://github.com/Jacob-Jeffries/portfolio>

- This is a dynamic page generated using HTML, CSS, JavaScript, and ReactJS.

Social Media Backend

[https://github.com/Jacob-Jeffries/social\\_backend](https://github.com/Jacob-Jeffries/social_backend)

- Individually built backend server written with Node.js, Express, and MongoDB.

Petstar

<https://github.com/Jacob-Jeffries/rmp>

- Team coded fullstack application using Node.js, Express, Sequelize, MySQL, Handlebars, with user login & authentication, and image upload.

E-Commerce Backend

<https://github.com/Jacob-Jeffries/m13c>

- Engineered a backend server using Sequelize as an ORM, and structuring a backend Express server to use Sequelize in standard CRUD routes to a MySQL DB.

### Education & Training

Fullstack Coding Bootcamp – Michigan State University  
Master of Science (Cellular Biology) – Purdue University  
Bachelor of Science (Molecular Biology)  
Indiana High School Honors Diploma – Center Grove H.S.

Completion May 2023  
Graduated December 2018  
Graduated August 2014  
Graduated May 2004

### Relevant Professional Experience

Northern Michigan University – Marquette, MI  
Chemistry Laboratory Supervisor

2019-Current

- Designed and built LAMP stack, chemical inventory system <http://jjeffrie.nmu.edu>
- Purchased all required chemicals, equipment, and instruments for the department
- Budgeted department spending and presented monthly reports
- Repaired & maintained instrument connected computers and specified new systems when needed
- Hired, trained, scheduled, and supervised 12 student employees each semester

Purdue University – West Lafayette, IN  
Graduate Student

2016-2018

- Performed wet-bench research to investigate the function of innate immune cells
- Organized and published data garnered in laboratory research
- Analyzed, summarized, and presented weekly research reports during lab meetings using Python & R