**Lauren Dudgeon**

Portfolio: [laurendudgeon.github.io](https://laurendudgeon.github.io/) | laurendudgeon1@icloud.com

**EDUCATION**  
The Ohio State University, Columbus, Ohio B.S. in Electrical and Computer Engineering

**TECHNICAL SKILLS**

* **Programming Languages**: Java, JavaScript, Python, HTML, CSS
* **Tools**: Git, GitHub, Jira, AWS, Docker
* **Methodologies**: Agile, Debugging, Testing, OOP, Data Structures, Algorithms
* **Frameworks & Technologies**: Spring Boot, JUnit, Angular, SQL

**PROJECT EXPERIENCE**

Military Fleet Application (January 2025 – February 2025)

* Designed and developed a microservices-based REST API with Spring Boot, Spring Cloud Gateway, and Eureka Service Discovery.
* Implemented CRUD functionality with a MySQL database while addressing edge cases like squadron capacity limits and role assignments.
* Achieved 90% code coverage for all microservices by implementing comprehensive JUnit tests.

Fi-Rep Website (November 2024 – December 2024)

* Developed an interactive full-stack web application with Angular and Node.js.
* Deployed the application using AWS SAM to ensure scalable and efficient performance.
* Applied front-end frameworks and cloud deployment strategies to create a user-friendly portal.

SmartCart (August 2023 – April 2024)

* Led a team of 4 to design and implement an autonomous cart system using Python and ROS.
* Utilized GitHub for version control and collaborative task management.
* Developed team leadership and coordination to achieve successful project milestones.

Dentist RDBMS (January 2024 – April 2024)

* Designed a comprehensive relational database system for a dental office.
* Applied SQL and SSMS for efficient data storage and retrieval.
* Enhanced problem-solving and schema design capabilities to meet client requirements.

**WORK EXPERIENCE**

SkillStorm, Columbus, Ohio  
**Software Developer (June 2024 – Present)**

* Participated in rigorous software engineering training covering various programming languages and tools.
* Developed and deployed a full-stack web application using NestJS, TypeScript, and Angular, hosted on AWS.
* Utilized Jira for project tracking and version control with Git/GitHub.

Ohio State University, Columbus, Ohio  
**Student Assistant (August 2023 – December 2023)**

* Managed and prioritized academic and project tasks effectively.
* Fostered communication and teamwork for seamless task completion.

UPS, Columbus, Ohio  
**Package Handler (September 2021 – October 2022)**

* Improved time management and multitasking by collaborating in a fast-paced logistics environment.