

## **Lughan Ross**

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### **EDUCATION**

**The Ohio State University, Columbus, OH**

**Bachelor of Science in Computer & Information Science** | GPA: 3.3/4.0

August 2021 – December 2025 (Expected)

### **SKILLS**

- **Programming Languages:** Java, Python, C, HTML, CSS, SQL
- **Frameworks & Tools:** Git, Ruby on Rails, Spring Boot, React
- **Concepts:** Data Structures & Algorithms, OOP, Agile Methodologies
- **Soft Skills:** Problem-Solving, Communication, Collaboration, Time Management

### **WORK EXPERIENCE**

**Software Engineer Intern • Mastercard**

Jun 2025 – Aug 2025

- Partnered with senior engineers to architect and deploy a scalable ETL pipeline for ingesting high-volume Hadoop transaction data into cloud storage, modernizing legacy systems and enabling secure third-party access.
- Designed and implemented automated data transformation and validation workflows integrating schema checks, error-handling routines, and access-control policies to ensure compliant, reliable data ingestion and streamline downstream analytics.

**Software Engineer Intern • The Ohio State University**

Jan 2024 – Jun 2025

- Collaborated with senior engineers to learn Ruby on Rails and implement best practices, reducing bug incidence by 10%.
- Developed and launched web applications for client companies, enhancing user experience and increasing engagement by 20%.
- Worked in an agile team environment, streamlining application features and boosting team productivity by 15%.

**Computational Science Research Intern • Duke University (Prof. Arya)**

June 2023 – August 2023

- Collaborated in cross-functional teams to develop computational models for DNA nanotechnology.
- Optimized 3D simulations through machine learning, advancing efficiency in DNA packaging and drug delivery.

### **PROJECTS**

- **File System:** Developed a C89/C90 application using tree data structures and structs to create a simulated file system.
- **Doubly Linked List with Retreat:** Designed and implemented a custom doubly linked list data structure featuring a unique "retreat" method. Strengthened expertise in developing and applying specification-based test plans.

### **Student Club and Organization**

- **National Society of Black Engineers (NSBE):** Advanced academic excellence and community impact among black engineering students.