

Logan Roe

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Education

Iowa State University - Ames, Iowa

August 2021 – May 2025

Bachelors in Computer Engineering, General Business Minor

GPA: 3.80/4.00

Dean's List

Fall 2021 – Spring 2025

ISU Honors

2021 – 2025

Relevant Coursework – Design & Analysis of Algorithms, Big Data Analytics, Construction of User Interfaces, Principles of AI, Digital Logic, Linear Algebra, Embedded Systems, Operating Systems

Skills

Languages

- Java, MATLAB, C++, JavaScript, HTML, CSS, Python, Kotlin, SQL, Groovy, Bash Script

Software

- Git, Android Studio, Jenkins, AWS, AI Training, Visual Studio, Node.js, Virtual Box, Linux, Docker

Professional Experience

John Deere – Ames, Iowa

Computer Engineer

October 2022 – May 2025

MATLAB / JavaScript / HTML / CSS / C++ / Groovy / Git / Docker / Jenkins / Visual Studio / Node.js

- Optimized and enhanced existing projects using JSON caching and modularity, reducing processing time to one-fifth of the original duration and saving hundreds of colleagues up to two hours per day.
- Managed experimentation, prototyping, and approval of 8 new ideas I generated by effectively demonstrating value thus leading to a 25-30% higher adoption rate due to new, easier to use feature-sets.
- Led in-depth code demos to hundreds of colleagues for project exposure and criticism leading to near 100% adoption of new, improved projects, up from around 30-40%.
- Produced in-depth, easy to read, easy to navigate documentation for a complex tool I created leading to 50-60% less inquiries about how the tool functions and a 20-30% higher adoption rate.

Sign Business - Odell, Illinois

Co-Ownership

July 2019 – Present

HTML / CSS / JavaScript / Shopify

- Designed and implemented website features, improving overall usability and appearance resulting in over 300% higher user engagement and website visits.
- Managed and increased sales both online and in-person by up to 25%.

Projects

dripdrop – Iowa State University

Full-Stack Developer

August 2024 – May 2025

Python / React / React Native / TypeScript / AWS / Bruno / Expo Go / MySQL

- Developed the backend AWS infrastructure for a reliable and scalable application.
- Designed and developed the feed algorithm and the frontend for the feed, AI Suggestions, and more.