# Logan Roe

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## Education

**Iowa State University -** Ames, Iowa — Expected May 2025
Bachelors in Computer Engineering, General Business Minor — GPA: 3.74/4.00
Dean's List — Fall 2021 – Spring 2024
ISU Honors — 2021 – Present
**Relevant Coursework** – Design & Analysis of Algorithms, Big Data Analytics, Construction of User Interfaces, Digital Logic, Linear Algebra, Embedded Systems, Operating Systems

## Skills

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

**Software**
- Git, Android Studio, Jenkins, Visual Studio, Node.js, VM Virtual Box, Linux, Docker

## Professional Experience

**John Deere** – Ames, Iowa
Computer Engineer — October 2022 – Present
*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

**CyStaff** – Iowa State University
Front-End Developer — August 2023 – December 2023
- Developed key app features: calendar (with events), login, employee directory, user management, live messaging, and settings resulting in over 18,000 lines of code, #2 best team, and Top Coder.
- Created automated testing that covered over 70% of the lines of code in the entire project.