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, AWS, AI Training, Visual Studio, Node.js, 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.