

Kevin Lin

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EDUCATION

Iowa State University

Ames, IA

Bachelor of Science in Computer Engineering

Aug 2019 – May 2023

Courses: Data Structures, Design and Analysis Of Algorithms, Artificial Intelligence, Operating Systems, Computer Architecture

Metea Valley High School

Aurora, IL

High School Diploma

Aug 2015 – June 2019

EXPERIENCE

Safety Scan

Ames, IA

Software Engineer

September 2022 - Present

- Developing software to track usage of safety equipment in manufacturing facilities and laboratories with Safety Scan, an Iowa State startup that has thus far raised \$21,000 in non-dilutive funding.
- Training machine learning models with data gathered from OpenCV to detect improper usage of safety equipment.

Northwestern Mutual

Milwaukee, WI

Tech Operations Intern

June 2022 - Aug 2022

- Developed Inky HTML email templates with Zurb's Foundation for Emails in a Node.js runtime environment.
- Automated creation of List entries in Microsoft SharePoint, eliminating hours of manual work for System Engineers.
- Architected and implemented a CICD pipeline, sending out crucial monthly Windows Security Update communications to thousands of home office workers.

PROJECTS

Dates and Duties

Android Application

- Developed back-end Java code with the Spring framework, working with JDBC, Spring MVC, and doing thorough testing with Mockito to ensure code quality.
- Utilized SpringBoot and MySQL relational database connections to store persistent records of user accounts, passwords, and relevant tasks.
- Developed and deployed RESTful APIs via SpringFox and Swagger, allowing the front-end development team to efficiently pull relevant data from a cloud hosted server.

iRobot Roomba: Mars Rover

Embedded System

- Programmed an iRobot Roomba in C to have the capability to navigate around objects both autonomously and manually.
- Worked with low level embedded system protocols and concepts, including UART, GPIO, and hardware architecture(memory, cache, interrupts, clock).

Park@NM

JavaScript Web Application

- Developed back-end code in JavaScript, defining routes for CRUD operations using Express as the web application framework.
- Implemented connection of SQLite3 Node.js module to enable communication between the web app and records of form entries in the SQLite database.

PROGRAMMING SKILLS

Languages: Java, JavaScript, Python, C/C++, Bash, PowerShell

Software: Atlassian (Jira, Confluence), Microsoft (Azure AD, VS Code), GitHub, Mural, Docker

Other: Linux, Windows, Mac, Git, SpringBoot, CI/CD, DevOps