
JACK HUANG – SOFTWARE DEVELOPER

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WORK HISTORY

Full-stack Engineer, 05/2025 – 08/2025 | Pella Corporation – Pella, Iowa

- Collaborated in an Agile/SCRUM environment with daily standups, sprint planning, and peer reviews.
- Implemented unit and integration tests with Jest, improving code quality and reducing production bugs.
- Utilized GraphQL for creating and implementing APIs
- Developed full-stack web and mobile applications using Next.js, Expo (React Native), Express.js, streamlining internal operations and implementing features for user satisfaction.

Waiter, 07/2018 – Current | A8 Chinese Restaurant – Williamsburg, Iowa

- Enhanced customer engagement by developing an interactive menu on the restaurant's website to allow hundreds of customers to access business information
- Supervised a dozen co-workers to be knowledgeable in company policy and procedures, improving team performance
- Communicated with hundreds of patrons via telephone and in-person, boosting business reputation

PROJECTS SUMMARY

Idle Sort:

Managed a team of 6 developers to create a web application game to allow players to learn and visualize sorting algorithms. Held weekly meetings following Agile methodologies, created RESTful APIs, followed testing methodologies using Jest. Utilized GitHub for CI/CD and version control. Created with the Next.js framework as well as PostgreSQL, and deployed on the cloud

KSwap:

Constructed Frontend of an Android mobile application to pioneer a new social platform to target a million dollar market and allow users to communicate and trade K Pop photo cards. Followed Agile methodologies and utilized SCRUM to work alongside a team of four developers. Created using Android Studio, designed using Figma, tested using Junit and Espresso, tracked using Git, and utilized CI/CD with GitLab.

Dutch Cross Country Results:

Created a results page for MOC-FV High School, enabling parents, athletes, and coaches to view decades of meet results for hundreds of athletes, also allowing coaches to input data. Created using PHP and MySQL within the LAMP stack, expediting the process to view results from days to minutes.

SKILLS

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| • Programming (Java, JavaScript/TypeScript, PHP C, C++ Python) | • Version Control System (Git, GitLab, GitHub) |
| • Front-End Development (Android Studio, React, Redux, HTML, CSS, Next.js) | • Testing (Jest, Junit, Espresso, CI/CD) |
| • Back-End Development (Express, Flask, Spring, RESTful APIs, Next.js, GraphQL) | • Bash Terminal (Unix/Linux) |
| • Full-Stack Development (LAMP/WAMP Stack) | • Software Development (SCRUM / Agile) |
| • Databases (SQL, MySQL, PostgreSQL, Neo4J, MongoDB) | • Design & Analysis of Algorithms |
| • Design (Figma) | • Build Tools (Gradle, Maven,) |
| • Spanish Communication | • Machine-Level Programming (LEGV8 Assembly) |
| | • Database Management Systems |
| | • Software Architecture |
| | • Employee Relations and Management |

EDUCATION

Bachelor of Science: Computer Science, Expected in 05/2026

Minor: Spanish, German

Iowa State University - Ames, IA || 4.0 GPA || House President 2022-2024 || Dean's List F22, S23, F23, S24, Highest 2% Senior Relevant Coursework:

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| • Intro. to Data Structures | • Object-Oriented Programming (Java) |
| • Design & Analysis of Algorithms | • Intro to Computer Architecture and Machine-Level Programming (LEGV8 Assembly) |
| • Software Development Practices (Git) | • Principles of Programming Languages |
| • Advanced Programming Techniques (C, C++) | |
| • Database Management Systems (SQL, Neo4j, MongoDB) | |