

JACOB K SMITH

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Story City, IA 50248

**EDUCATION**

Iowa State University, Ames, IA*Bachelors of Science, Computer Science, May 2024*

Coursework: Object-Oriented Programming, Data Structures and Algorithms, Software Development, User Interfaces, Computer Graphics, Design and Analysis of Algorithms, Computer Architecture and Machine-Level Programming, Advanced Programming Techniques, Network Protocols and Security, Principles of Programming Languages, Operating Systems, Theory of Computing, Principles of Artificial Intelligence, Software Testing.

SKILLS

Programming Languages

Java, C/C++, Python, C#, SQL, JavaScript, HTML/CSS, Powershell, Bash, XML, Kotlin, LEGv8 assembly language.

Development Tools and Systems

Github, MongoDB, MYSQL, React, Visual Studio Code, Eclipse, IntelliJ IDEA, , Android Studio, Unity, Unix, Maven, Gradle, Git, Make, OpenGL, WebGL, GitLab, VirtualBox.

EXPERIENCE

Previous Job Titles

ISU Student (2020-2024), Water Treatment Operator (2018-2020), Cashier (2017-2018), Construction (2017), U.S. Naval Avionic Technician E4 (2013 - 2017)

Achievements

Bachelors of Science, 3.3 GPA, Dean's List, TCEQ Class D Water Operator License, Honorable Discharge, Naval Good Conduct Award.

PROJECT

Framework Reconstruction (ISU's COMS 362 – Object-Oriented Analysis & Design)*Iowa State University Senior Project, Spring 2024*

Reversed Engineered the original 362 framework and redesigned a new framework to be more versatile. The original framework was a card game engine which was transformed into a game engine to support a range of different games. Utilized Java for the backend and JavaScript for the frontend.

Man-hour Calculator Application*Personal Project, Summer 2024*

Developed a customized app for a landscaping manager to efficiently calculate and record his team's work information throughout the work week. Utilized the IDE Android Studio using Java and Extensible Markup Language (XML).