Dakota Swank

Software Engineer // San Diego, CA

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Relevant Experience

Software Application Tester @ Boeing

May 2023 - Present // San Diego, CA

▷ Writes, executes, and reports test cases performed for web-based applications and creates various regression testing scenarios to evaluate effectiveness, quality, and scalability performance of web-based tools.

▷ Utilize Jira for test case management, tracking software defects, and resolving issues to enhance system reliability, usability, and efficiency. Ensured all software issues are tracked, reported, and resolved.

▷ Actively engage in agile software development practices, sprint planning, and retrospective meetings to constantly evaluate and improve team efficiency and product quality.

▷ Uses TestComplete to develop and maintain automated test cases, ensuring reliable execution and up-to-date test cases for ongoing quality assurance.

▷ Incorporates Jenkins for continuous integration, automating the execution of regression tests with each new code commit, facilitating early detection of defects and enhancing the efficiency of the development pipeline.

Projects

Fithub

Used: Angular (HTML, CSS, Typescript), Firebase

A fitness application that allows users to browse exercises, create customized workout plans, track their progress, and communicate with other users. The application utilizes a client-server architecture, with a User Module that provides a user-friendly interface for accessing the FitHub server's data tables.

Outbreak

Used: Unity and C#

A virtual reality survivor horror game set in space. The player takes on the role of a character navigating through a dangerous space environment, where they can encounter various obstacles and enemies that can cause damage to their character.

Japanese Translator

Used: C++

Developed a translator that utilizes a deterministic finite automaton (DFA) to adhere to a specific set of rules. Using provided files containing various sentences, the program checks for syntactic and semantic accuracy. If the sentences pass this check, the program accurately parses and translates the story from Japanese to English.

Additional Links

in linkedin.com/in/d-swank

Technical Skills

❖ Object-Oriented Programming

❖ Data Structures

❖ Web-Development

❖ Computer Architecture

Programming Languages

JavaScript, C++, Java, C#, HTML, SCSS, Python, Assembly

Libraries & Frameworks

Angular, React

Tools & Platforms

Jira, TestComplete, Jenkins, SmartBear Collaborator Git, Firebase, AWS

Education

California State University San Marcos

2022 - 2023 // San Marcos, CA

Bachelor of Science in Computer Science

▷ Golder Key Honor Society

Miracosta College

2019 - 2021 // Oceanside, CA

Associate degree for Transfer in Computer Science

▷ Phi Theta Kappa Honor Society

▷ President's Permanent Honor Roll

Additional Skills

Leadership, excellent communication, writes clearly and concisely, thrives in a collaborative environment, actively meets deadlines, ability to manage multiple projects.