Samuel Despain

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Software Developer

Software engineer with over 4 years of software development experience, including testing, and troubleshooting. Expertise in streamlining internal processes, enhancing user experience, and improving efficiency by about 40-60%. Skilled in web development, automation, and user interface design. Open to learn new technologies.

WORK EXPERIENCE

Fine Timepiece Solutions USA, LLC. • Fountain Hills, AZ • 02/2022 - Present

FTS USA, LLC. is a startup watchmaking company. As of yet, it is the only location in the United States manufacturing, supplying, and building watch movements.

Technician

- Overhauled a cumbersome inventory management system and replaced it with a simpler system using a single Google Sheets document, increasing efficiency by 60%.
- Enhanced user experience and navigation within the company intranet by maintaining, updating, and optimizing technicians' web portal with user-friendly web design.
- Automated data processes in Google spreadsheets using both formulas and Apps Script, making data management 30% more efficient.
- Created computer graphics for products, 3D rendering animated videos and building WebGL-based interactive diagrams, enhancing online presence and customer engagement.

Contour Software, LLC. • Remote • 10/2021 - 01/2022

Contour is a remote software-development firm that specializes in no-code, customer-centric web apps using Bubble.io.

Bubble.io Developer

- Developed and updated digital products on the Bubble.io platform, providing customer support, data analysis, following scrum methodology and utilizing Jira for project management.
- Collaborated closely with clients to develop new features, resolve bugs, build and manage databases, and ensure data integrity.
- Actively participated in group stand-up meetings, providing valuable support to teammates and offering insights.
- In collaboration with other coworkers, reduced development time by about 30% by training the team in Bubble's new responsive engine.

Legends Furniture • Tolleson, AZ • Internship • 11/2018 - 10/2019

Legends Furniture manufactures thousands of items sold at many of the largest furniture stores in the nation including American Furniture Warehouse, Living Spaces, Ashley Furniture, RC Willeys, etc., as well as online outlets like Wayfair.com.

Software Development Intern

- Automated cost estimation via Excel algorithms, saving 90% of time spent on cost calculations.

- Implemented a C# program to quickly rename files for Sales & Marketing department, optimizing file management by 50%.
- Built 3D models for over 100 items for use in interactive product displays, enriching customer experience.

EDUCATION

Bachelor Of Science In Software Engineering

Brigham Young University—Idaho • Rexburg, ID, USA • 09/2015 - 07/2021

PROJECTS

Senior Project

Brigham Young University—Idaho • 01/2021 - 04/2021

My senior project consists of an Android application written in Java via Android Studio simulating the console of a pipe organ.
It consists of multiple keyboards (2 manuals and a pedal keyboard) with multiple voice options (stops) that can be activated simultaneously rather than exclusively as on a typical keyboard app.
A demo can be viewed here.

Web Portfolio

03/2023 - Present

My web portfolio is an ongoing project of mine.
The HTML and some CSS are written from scratch.
Bootstrap is mainly used for styling. The 3D logo was implemented using Three.js.
Currently, it showcases programs I wrote in C++, C#, Java, and Python.
I am using it as an environment to learn new development technologies and strengthen my skills in those I already know.
The site is hosted on Github Pages.

SKILLS

Adobe Creative Cloud (CC), Jira

Hard skills: Computer Science, Data Automation, Database Management, Linux, Relational Databases, Front-end development, Back-end development, Coding

Development environments: .NET, Android Studio, Git, GitHub, IntelliJ, Microsoft Visual Studio, MySQL, PostgreSQL, Spring Boot, Qt, Visual Studio Code

Methodologies & dev cycles: Agile, Scrum methodology

Programming & development languages: C, C++, C#, Java, Python, SQL, UML

Soft skills: Attention to Detail, Cooperation, Creativity, Customer Experience, Innovation, Object Oriented Programming (OOP), Problem-Solving, QA, Software Engineering, Teamwork

Web development: AWS, Bootstrap, Bubble.io, CSS3, Heroku, HTML5, JavaScript, JQuery, Node.js, PHP, WebGL, Three.js