

Joshua Sooaemalelagi

Proactive and Passionate Software Engineering Student

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Education	BS in Software Engineering with minor in Web Development Brigham Young University– Idaho, Rexburg, ID 3.9 Major GPA, 3.5 overall GPA	Expected Grad December 2024
Skills	Programing Languages: Python, C#, C++, Bash, HTML, CSS, Javascript, SQL Platforms: Linux, Windows, Git/Github, AWS, SolidWorks, AutoCAD, Unity, Godot, Unreal, Svelte, Node.js Databases: Google Firebase, MySQL, MongoDB, AWS RDS	
Certificates	Computer-Aided Design and Drafting (CADD) Certificate Proficient in Excel, 2D modeling program AutoCAD and 3D parametric program SolidWorks Analyzed and solved problems involving functions, algebraic expressions and systems of equations	July 2022
	Programming Certificate Programmed with Functions, Classes and Data Structures and Applied Programming Wrote more than 40,000 lines of custom Python and C# code in 80 different projects	July 2023
	Amazon Web Services (AWS) Certified Cloud Practitioner Certification Developed foundational, high level understanding of AWS Cloud computing, storage, global infrastructure, services, network services and serverless cloud computing	March 2024
	Web Development Certificate Demonstrated skills in HTML, CSS and JavaScript and showed proficiency in SQL code to implement a CRUD Wrote code to pass and obtain data from servers using APIs, injected data into the DOM for website applications Used code to solve problems and to develop content that was visually appropriate, usable and findable	December 2024
	Software Design Certificate Led teams and created 20 programs with Algorithms, Modularization, Encapsulation and Inheritance with around 15,000 lines of code Developed visual representation skills including UML structure charts and data flow diagrams	December 2024
Experience	Hill Air Force Base Hackathon 6th place Placed 6th out of over 60 competitors on HackerRank by solving coding challenges	March 2024
	Interactive webpage Made an interactive webpage to showcase my Portfolio using JavaScript	March 2024
	Task Tracker app Built task tracker app in python using Tkinter with Bootstrap Used to manage and track amount of time spent on tasks, increasing personal productivity and awareness	January 2024
	BYU-I Hackathon 3rd place Certificate Awarded 3rd place in 24hr Hackathon out of over 100 teams in Media and Communication category Received recognition for outstanding ingenuity, technical prowess and relentless determination	October 2023
	Child education app Designed and constructed interactive mobile application using Unity and object oriented programming Created an extensible game framework that helped students practice mathematics in fun and engaging way	April 2023
Work History	Home media server Selected own hardware, installed server operating system and configured software to make a personal server to connect to media center for streaming videos, music and photos and to host videogames	January 2020
	Lab Director for Tutoring Center BYU-I, Rexburg, ID Led a diverse team of coordinators, tutors and volunteers, providing tutoring services to over 100 students weekly	April 2023-Present
	Teaching Assistant for CSE Department BYU-I, Rexburg, ID Taught and graded assignments for over 150 students, giving timely and accurate feedback	October 2023-Present
	Waterproofing Construction Foreman United Roofing, Calgary, AB Managed dozens of sites with crews of 10 people with zero incidents in waterproofing below grade foundations	February 2018-December 2022