Joshua Sooaemalelagi

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Summary

Energetic Software Engineering student with a strong understanding of computer technologies. Has significant experience in educational roles, including managing large classes, executing tutorials, enhancing course materials, and leading

Education

Pursuing a degree in Software Engineering | BYU-Idaho | Rexburg, ID   2019 - Present
- Current Major GPA: 3.967

Experience

Teaching Assistant (TA) | *Brigham Young University Idaho* | Rexburg, ID   October 2023 - Present
Accredited University for higher education
- Managed and graded assignments for classes, exceeding 100 students, giving timely and accurate feedback
- Directed tutorial sessions and provided one-on-one assistance, improving students comprehension
- Collaborated with faculty in course reviews, contributing to continuous improvement of content

Lab Director | *BYU-I/Tutoring Center* | Rexburg, ID   April 2023 - Present
Providing tutoring services for students
- Oversaw daily operations of the CS/SE/CIT tutoring lab, ensuring efficient management of resources and a conducive learning environment for students
- Led a diverse team of coordinators, tutors, and volunteers, providing guidance and support to enhance tutoring services for over 60 students weekly
- Created and implemented strategies to improve tutoring services in areas for Computer Science, Software Engineering, CIT, programming, and database management
- Collaborated with academic departments to align tutoring services with course objectives

Waterproofing Foreman | *United Roofing* | Calgary, AB   February 2018 - December 2022
Specialists in high-quality commercial build envelope services
- Experienced with maintaining dozens of different construction sites simultaneously with zero incidents
- Specialized in below grade foundations, building cores sealing's for high rise buildings
- Conducted safety trainings, and demos on new torch-on techniques developed getting certified by the CCC

Projects

Software Developer | *Task Tracker App* | Rexburg, ID   January 2024 - Present
- Built a task tracker app to manage and track amount of time spent on tasks, increase in productivity

Project manager | *BYU-I Hackathon* | Rexburg, ID   October 2023 - October 2023
- Awarded 3rd place in a 24hr hackathon out of 100+ participants
- Built, programed, and 3d printed, to assist in communications though interactions of custom hardware & software

Mobile app creator | *Child education app* | *BYU-I* | Rexburg, ID   April 2023 - June 2023
- Designed interactive mobile interfaces for helping elementary students practice mathematics in a fun and engaging way, increasing students math's skills in addition
- Constructed education mobile applications using Unity framework and utilized object-oriented programming (OOP) principles to create a modular and extensible game framework

Tutorial creator | *Data structures project* | *BYU-I* | Rexburg, ID   January 2023 - April 2023
- Designed a tutorial in Markdown to explain different types of data structures from Queues, linked lists or trees
- Refined comprehensive coursework to gain an understanding of algorithms and how to solve problems

Technical Skills

Python, C#, C++, Bash, HTML, CSS, Javascript, SQL, Git/Github, SolidWorks, Unity, Godot, Unreal