**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**

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| Pursuing a degree in Software Engineering | BYU-Idaho | Rexburg, ID | 2019 - Present |

* Current Major GPA: 3.967

**Experience**

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| Teaching Assistant (TA) | *Brigham Young University Idaho |* Rexburg, ID | October 2023 - Present |

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| 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

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| Lab Director | *BYU-I/Tutoring Center |* Rexburg, ID | April 2023 - Present |

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| 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

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| Waterproofing Foreman | *United Roofing |* Calgary, AB | February 2018 - December 2022 |

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| 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**

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| 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

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| 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

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| 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

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| 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