Jordan Fraser

fraserj916@gmail.com | 425-321-7331
https://www.linkedin.com/in/jordan-fraser-436685140/

Education

Seattle University   Seattle, WA
Bachelors of Science in Electrical Engineering   **September 2018 - August 2020**

University of Washington   Seattle, WA
Masters of Science in Electrical Engineering   **Expected Graduation, August 2023**

Professional Experience

CASTUS Corporation   Issaquah, WA
Lead Software Engineer   **June 2021 - Present**
- Utilized AWS applications such as, Lambda, REST APIs, DynamoDB, and Python to develop Video On Demand Services for houses of worship, council committees and cities similar to help display their video playlists, uploaded videos, and live streams.
- Worked with a team incorporating an HLS live stream that communicates via cloud to display live streaming on a clients' website through AWS.
- Incorporated a bandwidth and data cap for all clients' based on their tier package. This data cap would primarily be used for Live Streaming, Closed Captioning, RTMP Streaming, and managing view counts.
- Created and configured Video Encoding devices that would allow clients' to stream their content via RTMP. These encoding devices also supported closed captioning.

Seabird Scientific/Insight Global   Bellevue, WA
Production Test Engineer (Contract)   **October 2020 - June 2021**
- Worked with a team to modify PCB schematics and modify devices via SPICE to see what parts could be replaced or outright removed to cut down on unnecessary costs.
- Created documentation and instructions to assemble water quality devices.

Lubn Incorporated   Remote Work
Software Engineer (Contract)   **January 2021 - May 2021**
- Worked with a team configuring a Raspberry Pi to act as a camera tracking system using Machine Learning Algorithms in conjunction with Python, C++, and AWS Services to automate home security and property management for scanning and detecting any abnormalities going on within the house when it is unoccupied by tenants.

Overcast Innovations   Seattle, WA
Cloud Engineer (Intern)   **September 2019 - June 2020**
- Worked with a team on a "Smart" Home appliance device. A device that would communicate with home appliances within a clients' household or workplace a web application. Various functionalities were incorporated through AWS with a Raspberry Pi used for communicating with the home appliance.

Engineering & Programming Skills

Software: MATLAB, Python, Ruby, Java, JavaScript, TypeScript, Kotlin, C, C++, C#, MIPS Assembly, x86 Assembly, VHDL, Microsoft Word, PowerPoint and Excel, AutoCAD, Blender, Modelsim/Questa, Quartus, Ultiboard, Spice Simulation & Multisim, AWS, Bash/Shell, Terraform, MongoDB, SQL, Git, React, HTML, CSS, Docker, Kubernetes

Hardware: Soldering Stations, Oscilloscopes, Signal Generator, Multimeter, Arduino, Raspberry Pi, AVR Microcontrollers, Magician Chassis, Power Supply, Laser System, 3D Printers, AL5D Robot arm.