JASON JOHNSON

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Education – CS GPA – 3.12 | B.S. Computer Science | Graduation June 2020 | Oregon State University

Experience

Intel Corp.
Software Engineering Intern | March 2020 - Present
- Work on Intel's High Performance Computing Team to containerize, optimize and collect marketing data on an array of Intel applications.

ShoreRight
Co-Founder | September 2019 - Present
- Developing software in **Python** to provide the construction industry with computer vision optimized shore trenching configurations using Shore Right's proprietary trench shoring system.
- Nominated by Instructors & TAs as one of the top 10% best projects in the class.

Viewpoint Construction Software
DevOps Intern | June – September 2019
- Implemented New Relic Dashboard in **NRQL** to monitor the CPU usage, RAM usage and Disk Usage of six build servers and one backup server. Created alerts to notify team when certain thresholds were reached. Set New Relic alerts on server's agent processes.
- Migrated 6 Servers from the Google Cloud to Microsoft Azure.
- Wrote **PowerShell** script to validate formatting of thousands of IP addresses.
- Produced PowerPoint presentation on the Viewpoint's Vista lifecycle to educate new employees.

FLIR Systems
Software Engineering Intern | June – September 2018
- Developed **C** program to convert 8-bit serial data to 9-bit serial data hosted on Arduino Mega 2560s to enable field updates of FLIR controllers
- Developed **C++/CLI** GUI in Visual Studio to send and receive serial data on specified COM ports at specified baud rates to test the Arduino program.

Relevant Coursework

- Operating Systems – Wrote a simple Linux shell in **C** utilizing multi-process programming, wrote program utilizing sockets API that encrypted and decrypted text files passed to it.
- Cloud Development – Developed RESTful API's, containerized programs using Docker, used MongoDB & MySQL to store API data.
- Software Engineering I & II – Developed Web Application in **Java** and wrote automated tests in **C** for large Dominion game in four-person agile team. Designed object oriented programs in **C++.**
- Data Visualization – Created data visualizations for different metrics around the spread and control of HIV, using Tableau.

Skills & Abilities

Programming
- C++, C, Python, MATLAB, PowerShell, SQL, JavaScript, Node.js, Data Structures, Algorithms, Unit Testing, Git, gdb, VIM, Linux, Mac OS, Windows, Agile Development, Object Oriented Programming, Visual Studio, Linear Algebra, Calculus, New Relic, Sockets, Tableau