Steen Sia

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EDUCATION

University of Utah - Bachelor of Science in Computer Engineering   *August 2016 - May 2020*
- Cumulative GPA 3.6 and Dean's List

SKILLS

Languages: C#, C, C++, Java, Python, JavaScript, TypeScript, Perl, Bash
Web Development: Angular, .NET MVC, HTML, CSS, Selenium, REST
Tools: Linux CLI, Azure DevOps, Git, Splunk
Databases: SQL Server, MySQL, MongoDB

WORK EXPERIENCE

Micron Technology – Software Engineer   *May 2020 - Present*
- Constructed a web app with C#/.NET MVC to interface Azure DevOps API (Release Management) for Quality Engineers or other users to skip overhead and save time by at least 20%.
- Integrated ServiceNow API (Change Management) with existing .NET MVC app to transition from Remedy API which allowed users to maintain productivity with viewing event changes and minimize time overhead by 10%
- Queried records in SQL Server to validate lot information and maintain stored procedures to keep data integrity.
- Utilized a Process Manager interface to maintain vital jobs running in multiple servers to prevent lost moves.
- Set up continuous monitoring using Splunk through alerts upon meeting thresholds to increase server uptime.
- Wrote and maintained scripts (Perl/Bash/Python) that are responsible for clean-up jobs to minimize storage issues.

SelectHealth - Software Development Engineer in Test Intern   *June 2019 – May 2020*
- Developed automated web apps using C#, T-SQL and Selenium to increase productivity by 25% or more.
- Applied SpecFlow (BDD) to apps for organization, readability and bridge gaps between business and developers.
- Engaged in Agile methodologies to meet consumer needs and employ version control (Git) to maintain codebase.

Coda Octopus Colmek - Engineer Intern   *October 2018 – May 2019*
- Tested PCBAs with serial protocols using PuTTY to verify functionality before installing to main assemblies.
- Debugged PCBAs by analyzing schematics with hardware tools to salvage components and save production costs.

PROJECTS

Increment – Personal Project   *August 2019 – January 2020*
- Created a time management app in Angular, C# and SQL Server for users to track goals and increase productivity.

Wireless Mesh Audio System – Senior Group Project   *August 2019 – December 2019*
- Established a solution with which broadcasted audio data in synchronization between various speaker brands.
- Applied the ESP32 Framework (C) to integrate Bluetooth, I2S and Mesh within our ESP32 microcontroller.

Learning Management System – Database Partner Project   *January 2019 – April 2019*
- Implemented backend controllers using C#, MySQL and LINQ to drive a web server that emulated Canvas.

LEADERSHIP

Utah Day Traders Club - Treasurer   *August 2018 – May 2020*
- Organize club activities, manage financial assets, and educate members about stocks, equities and options trading.