**Steen Sia**

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**EDUCATION**

**University of Utah** **- Bachelor of Science in Computer Engineering*****May 2020***

* Cumulative GPA 3.6 and Dean’s List

**SKILLS**

**Proficient Languages**

* C#
* Python
* Java
* C/C++

**Working Languages:**

* JavaScript/TypeScript
* HTML/CSS
* MySQL/SQL Server/MongoDB
* Perl/Bash

**WORK EXPERIENCE**

**Micron Technology – DevOps Engineer** ***May 2020 - Present***

* Construct a web-app with C#/.NET MVC to interface Azure DevOps API with for users to enhance productivity.
* Integrated ServiceNow API to existing .NET MVC app to transition from old Change Management (Remedy).
* Troubleshoot software issues from end users and implement continuous monitoring with Splunk.
* Write or maintain Perl/Python scripts to minimize production errors and increase uptime for on-premises servers.

**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.
* Apply 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)*****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 Project (Group)*****August 2019 – December 2019***

* Established a solution with which broadcasted audio data in synchronization between various speaker brands.
* Utilized the ESP32 Framework (C) to integrate Bluetooth, I2S and Mesh within our ESP32 microcontroller.

**Stock Predictor – Deep learning (Partner)*****August 2019 – December 2019***

* Simulated a kernel on Kaggle that forecasted price movement of stocks using TensorFlow and backpropagation.

**Learning Management System – Database Systems (Partner)*****January 2019 – April 2019***

* Implemented backend controllers using C#, MySQL and LINQ to drive a web server that emulated Canvas.

**Music Synthesizer – Computer Design Lab (Group)*****August 2018 – December 2018***

* Designed a digital piano using a 16-bit CPU with Verilog and multiple peripherals.

**Boggle Game – Software Practice (Partner)*****March 2018 – May 2018***

* Constructed an online game with C#, MVC, RESTful architecture and queried data using SQL Server.

**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.