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

TBD (Partner)   *December 2020 - Present*
- Design a web based (React/Django) and Android app to allow users to efficiently achieve long term objectives.

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.