

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.