Colin Suckow

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Education

Bachelor of Science in Computer Science   **September 2018 - June 2022**

Oregon State University - Cascades, Bend, OR
Cumulative GPA: 3.58

Professional Experience

Software Development Intern   **September 2020 – June 2021**

Novunex, Bend, OR

- Assessed customer requirements and developed features to fulfill their business problems
- Wrote new features and user interface flows for an internal quality system using javascript and SQL

Software Engineering Intern   **December 2019 - March 2020**

Sicamore Semi, Bend, OR

- Implemented python-based QT UI for tracking semiconductor processing status and reducing waste
- Contributed features and bug fixes to an internal web-based quality management system with javascript and SQL
- Designed and built a light indication system prototype using embedded linux and python to increase production efficiency

Software Development Intern   **May 2019 - December 2019**

Camp Creative, Bend, OR

- Built a proof of concept mobile application with React Native to demonstrate the platform's value to clients
- Contributed patches to open source React components to increase compatibility with legacy web browsers
- Designed and implemented search functionality in an existing web application

Projects

PlayStation Emulator | Rust   **github.com/Colin-Suckow/vaporstation**

Developed a software interpreter to simulate the internal components of a Sony PlayStation, including the cpu, gpu, dma controller, math accelerator, cd rom drive and video decoder. Capable of running a handful of popular commercial games

Exhibit X | Javascript, Python   **github.com/osu-cascades/exhibit-x-web**

Built express web application, json api and embedded python script to manage an interactive digital art exhibit

FPGA VGA Driver | Verilog   **github.com/Colin-Suckow/fpga_vga_display**

Created a verilog module to synthesize a VGA signal to display the contents of an internal memory block. The module also accepts incoming draw commands from an SPI bus

Links

GitHub: https://github.com/Colin-Suckow
Personal Site: https://suckow.dev
LinkedIn: https://www.linkedin.com/in/colin-suckow-5a9b8616b