

ISAAC GROSSBERG

Software Engineer

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EXPERIENCE

Electrical Engineer I

SSOE Group

📅 Jun 2020 – Dec 2021

📍 Hillsboro, OR

- Designed construction documents according to industry CAD standards using Revit by Autodesk
- Collaborated with professionals in a variety of disciplines to produce safe and effective designs
- Managed a workload of rotating packages according to dynamic and fast-paced deadlines
- Adhered to strict electrical code requirements based on the National Electrical Code: NFPA70
- Voluntarily performed QA checks on others' packages
- Created documentation for existing Revit add-on written in C#

Technical Undergrad Intern

Intel Corp

📅 Mar 2019 – Sep 2019

📍 Hillsboro, OR

- Refactored web page for monitoring server board sensor data using Dash (web-design package – Python)
- Developed Lua Script for remote temperature-cycling of serverboard
- Developed UEFI script to automate RAM error-rate testing
- Created queue for coordinating lab use of instruments using VBA for excel
- Determined failure point on malfunctioning serverboard using oscilloscope, multimeter, signal probes, and schematics
- Utilized digital probe on PCBs to determine frequency response and signal integrity

RELEVANT KNOWLEDGE

- Object Oriented vs Functional Programming
- Asynchronous Javascript and use of API calls
- Complex data structures including linked-lists, skip-lists, hash tables, and binary search trees
- Design principles of clean, modern front-end applications
- Familiarity with JSDoc and informative but concise documentation of software
- Time management within multiple projects and dynamic deadlines

EDUCATION

B.S. Electrical & Computer Engineering

Oregon State University - GPA 3.95 / Summa Cum Laude

📅 2016 – 2020

📍 Corvallis, OR

OBJECTIVE

Gain exposure to industry standards and new technologies in the web development space while creating beautiful and functional projects.

SKILLS

Javascript - 8/10

CSS - 7/10

HTML - 8/10

React.js - 3/10 (learning)

Node.js - 3/10

Git - 6/10

Python - 5/10

C/C++ - 8/10

Excel VBA - 5/10

Assembly (Microcontroller) - 5/10

Lua - 1/10

Bash - 3/10

UEFI/BIOS - 4/10

CERTIFICATIONS

Build Responsive Real-World Websites with HTML & CSS

Udemy.com

📅 Jan 2022

The Complete JavaScript Course 2022

Udemy.com

📅 Mar 2022

React – The Complete Guide

Udemy.com

📅 Apr 2022

RECOGNITION / HONORS

- Eta Kappa Nu (Member) - Electrical and Computer Engineering Honors Society (Pi chapter - OSU)
- Tau Beta Pi (Member) - Engineering Honors Society (Alpha chapter - OSU)
- OSU Dean's List - Fall 2019, Winter 2019, Spring 2019, Winter 2020