

# Tyler Titsworth

totalsundae.com

Handshake

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## EDUCATION

### Oregon State University

BA in Computer Science GPA: 3.22/4.0

Corvallis, OR

Expected Graduation: Winter 2022

## EXPERIENCE

### Intern

Data Center Operations

### Intel Corporation

January 2021 - Present

Currently apart of an Internship at Intel that focuses on Data Center Operations for High Performance Computing. Working with scientists and engineers pushing the boundaries of AI and Machine Learning research.

### IT Support

Prostaff IT Student Worker

### College of Engineering IT

Sept 2017 - Present

Experience with Microsoft SCCM and Active Directory to maintain compliance of over 2000+ computers. Work with webpage design and help documentation for an exhaustive library of software like Matlab, arcGIS, and AutoCAD. Act as a technician for a wide range of issues and devices while maintaining university enterprise standards.

### ECE TA

Teaching Assistant for ECE 272

### College of Electrical Engineering and Computer Science

Sept 2018 - Dec 2018

After helping rewrite the curriculum for the Digital Logic Design Lab, I spent a term as a TA attempting to act as a technical support student and teacher for the new software implemented in the course. I presented materials to students and worked hands-on to troubleshoot their FPGA problems. I held office hours where I would help setup Windows VMs on both Mac and Linux machines that would otherwise not support the Intel Quartus software.

### UHDS Student Worker

Student Trainer

### University Housing and Dining Services

Oct 2016 - June 2018

Elevated position from general student worker to help act as a leader and educator for new employees. The concept I worked in was a late night delivery service with an exceptionally large staff, the expectation being that I be able to handle copious amounts of work under pressure, switch gears to train incoming workers, and know every position in a 9 part cooking-to-delivery process fluently.

## PROJECTS

### CS Capstone Project: Know It's Off

Sept 2020-Present

Redesign and build a smart device that can easily tell a user whether or not their stove is on or not. This project has me working with Electrical Engineers and Computer Scientists to revive a previously failed Capstone project to make a functional UI/UX, power efficient device, that's both adaptable and expandable, along with Google Home support.

### Rewriting Digital Logic Design 272 Lab Curriculum

August 2018

I and the Lead TA for ECE272 rewrote the entirety of the ECE 272 Lab website curriculum as the class transitioned from Lattice Diamond to Intel Quartus. The new FPGA board and software meant the entire restructuring of the lab curriculum, of which we recreated all of the previous labs in the new software as well as working to come up with new lab ideas like integrating VGA and SPI.

## Skills

### Extensive Language Experience.....

- o CISC/RISC Assembly
- o Batch/Bash/Powershell
- o C/C++
- o JS/HTML/CSS
- o Python

### General.....

- o Communication
- o Organization
- o Project Management

### Technologies.....

- o Linux
- o Git
- o L<sup>A</sup>T<sub>E</sub>X
- o Microsoft SCCM
- o React

### Hobbies.....

- o eSports
- o Tabletop and Video Games
- o Writing