

BENJAMIN JOHNSON

johnsbe3@oregonstate.edu
971-217-3356

OBJECTIVE I am a college student on schedule to graduate in 3 years and plan to continue onto graduate school. I am currently looking for a summer internship position.

EDUCATION **Honors Bachelor of Science, Electrical & Computer Engineering**
June 2020
Oregon State University, Corvallis, OR
GPA: 3.92
Dean's List: Fall 2018, Winter 2019, Spring 2019
Honor Roll: Fall 2017, 2018, Winter 2018, 2019 Spring 2018, 2019

Courses

Intro to CS with Lab	Circuit Analysis I, II with Lab
Data Structures	Circuit Analysis III
Digital Logic Design with Lab	Intro to ECE I, II with Lab
Assembly + Computer Org.	

Languages: C++, C, AVR Assembly, Java, System Verilog, UNIX

Software: Quartus, ModelSim, LTspice, Eclipse, Visual Studio

Hardware: Digital Multimeter, Oscilloscope, Function Generator

PROJECTS **FPGA Graphics System**
Learned and implemented PS/2 and VGA protocol to design a hardware system through FPGA that inputs from a PS/2 keyboard and outputs graphics through a VGA port.

Multilayered Dye-Sensitized Solar Cell
Researched, experimented and designed a prototype design for a multilayered dye-sensitized solar cell that utilized a wider absorption spectrum.

Enclosed Fluid Simulation
Learned and utilized Java3D libraries to create an interactive and visual dynamic fluid simulation at the atomic level in Java.

AWARDS ISEF BHSE, 2nd Place in Electrical Engineering 2014
ISEF BHSE, 2nd Place in Environmental Engineering 2016
ISEF NWSE, Honorable Mention in Environmental Engineering 2016
BHSE/OSU Engineering Scholarship Award, February 2016
Signal To Noise Film Festival Animation Winner 2014, 2015, 2017
Signal To Noise Film Festival Comedy Winner 2016
Ricoh Sustainable Development Award, February 2016
Westview High School, Westview Academic Scholar, June 2017