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# Justin Chen

## Student

12323 SE Evening Star Dr.  
Happy Valley, OR 97086  
(503) 726-6568  
chenjust@oregonstate.edu

## SKILLS

Proficient at soldering components onto PCB board. Can design circuits and PCB boards on KiCAD and EAGLE. Can do object oriented programming with C/C++.

## Projects

### **Solar Charging Subsystem** - *charging circuit*

September 2020 - June 2021

- Designed a charging circuit to charge a LiPo battery with solar cells.
- Designed a battery protection circuit to protect from overcharging.
- Designed and fabricated PCBs for the charging circuit.

### **Servo PID Loop** - *Servo motor*

January 2020 - January 2020

- Designed circuit on KiCAD.
- Soldered components on board.

### **POV Wand** - *Persistence of vision display*

February 2020 - February 2020

- Soldered LEDs and components together.
- Designed block diagram.

### **Power Supply** - *Power supply board*

January 2020 - March 2020

- Soldered small components onto the PCB board using a SMT oven.
- Hand soldered the rest of the components.

## EDUCATION

### **Oregon State University, Corvallis** - *B.S. Computer Engineering*

Expected Graduation - December 2021