

# Brian F. Gray

1025 Scarlet Place, La Jolla, CA, 92037 • (858) 333-2136 • [briangray@sandiego.edu](mailto:briangray@sandiego.edu)

---

## Education

Shiley-Marcos School of Engineering (USD)

San Diego, CA

BS & BA in Mechanical Engineering (Junior)

Expected Graduation: December 2018

Overall GPA: 3.65    Upper Division Major GPA: 3.82

### Relevant Course Work:

CAD

Statics

Programming

Machine Shop

Thermodynamics

Public Speaking

Dynamics

Circuits

## Skills

### Computer Programs:

- Solidworks, Microsoft Office, proLIGHT 1000 Machining Center, proLIGHT 3000 Turning Center, Mach 3, MATLAB R2017a

### Computer Languages:

- C, Python, HTML, CSS, JavaScript/jQuery, G-Code

## Projects

### Remote Controlled Car

Fall 2015

- Designed and manufactured using Arduino IDE programming and Solidworks
- Guided middle school kids in an impoverished area of San Diego through the project
- Presented a design history file

### Miniature Elevator

Spring 2016

- Developed skills in coding with C and how to design around electrical components

### Manufactured a Compressed Air Piston Engine and Chair in Machine Shop

Fall 2016

- Trained in how to use large manual and CNC machinery such as mills, lathes, and drills
- Gained experience using G-Code

### Assembled a 3D Printer

Fall 2016

- Purchased an ALUNAR Prusa i3 DIY 3D Printer
- Continue to manufacture things including designs I made in Solidworks

## Experience

Student Grader, University of San Diego, Introduction to Circuits

January 2017 - Present

- I am trusted with the homework and midterm grades of an entire class of students

## Professional Affiliations

- *Treasurer* for the American Society of Heating, Refrigerating and Air-Conditioning Engineers, USD Chapter

June 2016 – Present

- Member in the American Society of Mechanical Engineers, USD Chapter

October 2016 – Present

- Member of the 3D Printing Club, USD Chapter

February 2017 – Present