

Brian F. Gray

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Education

Shiley-Marcos School of Engineering (USD)
BS/BA in Mechanical Engineering
Overall GPA: 3.65 Major GPA: 3.82

San Diego, CA
Expected Graduation: January 2019

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

Computer Languages:

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

Projects

Remote Controlled Car Fall 2015

- Designed and built 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

- Learned more about coding with C and how to design around electrical components

Built 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
- Learned how to use G-Code

Built 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 grades of an entire class of students

Professional Affiliations

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| • 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 |