Brian F. Gray

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briangrayengineer.github.io

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

Computer Languages:

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Projects

Remote Controlled Car   Fall 2015
- Designed, manufactured using Arduino IDE
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Manufactured a Compressed Air Piston Engine and Chair in   Fall 2016

Machine Shop
- 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