

Dexter Carpenter

Mechanical Engineering Major, Mathematics Minor

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Overview

I'm a second-year engineering student at OSU looking for work in my industry. I have a passion for design, physics, math, and robotics. I have worked with teams to design and assemble robots. I've developed a huge interest in mathematics and am eager to apply it. I'm fluent in software such as MATLAB, SolidWorks, and office programs, and have experience using those tools to produce a product. Currently I am a tutor privately and professionally. In the past, I have worked to design an exterior control system for a treadmill as an internship, and mentored youth about engineering. Through my education I've gained experience working in a machine shop, gained an interest in mathematics, physics and CS, as well as experience using the tools and skills an engineer needs.

Work Experience

Educator

- Math & Science tutor for High School Equivalency Program at OSU, Fall 2020 - Present
- Private math tutor, Summer 2020 - Present
- FIRST LEGO League Mentoring, 2019 season
 - Led two middle school teams in strategy, analysis, project
 - *Tournament Director* for practice FLL tournament, December 2018

FIRST Robotics, FRC Team 2733, 2016-2019

- Team Co-Captain, 2019 Season
 - Managed whole team alongside co-captain

BioMechanica Internship, BioMechanica LLC, Summer 2017

- Asked to create a way to interface a treadmill to a Raspberry Pi as a summer internship
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Education

Oregon State University, Corvallis Campus (Mechanical Engineering) – GPA: 3.27

- Notable Coursework:
 - MTH 341 (Linear Algebra), Spring 2020
 - MTH 256 (Differential Equations), Winter 2020
 - ENGR 248 (SolidWorks course), Spring 2020
 - ENGR 112 (MATLAB course), Winter 2020

Portland Community College

- Machine Shop Class, Summer 2017
 - Learned how to operate CNC Mill, Lathe, Mill, Drill Press, 3D Printers, Basic CAD and CAM

Cleveland High School, Portland OR – GPA: 3.725

Graduation Date: June 2019

- Notable Coursework:
 - IB Physics and Biology HL, 2 years ea.
 - IB Computer Science and Math, 4 years ea.
 - Honors and Awards
 - Recipient of IB Thinker Award - 2015/2016 School Year
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References

Bartolo Marquez, HEP Tutor Employer, Current Boss, bartolo.marquez@oregonstate.edu

Cindi Carrell, Robotics Coach, ccarrell@gmail.com