**Dexter Carpenter**

Mechanical Engineering Major

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**Overview**

I’m a fifth-year engineering student at OSU looking for work over the Summer. I enjoy learning and studying with others and would love the opportunity to help others learn engineering. I have a passion for design, physics, math, and robotics. I have worked with teams to design and produce sensing equipment. I’m fluent in software such as MATLAB, SolidWorks, and office programs, and have experience applying these tools. I have tutored math privately and professionally at OSU. Through my education, I’ve gained experience working in a machine shop, gained an interest in mathematics, statics and dynamics, as well as experience using the tools and skills an engineer needs.

**Work Experience**

**OPEnS Lab Project Lead (Oregon State)**

* Project Lead for [‘FloDar’ Project](https://github.com/OPEnSLab-OSU/OPEnS-Lab-Home/wiki/FloDar), Jan 2021 – Nov 2022

**Educator**

* Math & Science tutor for High School Equivalency Program at OSU, Sept 2020 – Jan 2021
* 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

**Education**

**Oregon State University, Corvallis Campus (Mechanical Engineering)** – GPA: 2.76

* Notable Coursework:
  + MTH 265 (Introduction to Series)
  + MTH 341 (Linear Algebra)
  + MTH 351 (Introduction to Numerical Analysis)

**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

**References**

Ben Leshchinsky, Associate Professor, Stakeholder, [ben.leshchinsky@oregonstate.edu](mailto:ben.leshchinsky@oregonstate.edu)

Chet Udell, Assistant Professor, OPEnS Lab Manager, [udellc@oregonstate.edu](mailto:udellc@oregonstate.edu)