

# Dexter Carpenter

Mechanical Engineer

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## Overview

I am a recent graduate from Oregon State University with a bachelor's in Mechanical Engineering. Throughout my academic career I have developed a strong foundation in leadership and engineering fundamentals. My experience spans from leading a successful high school robotics team competing at the world level, to overseeing an environmental sensing project at Oregon State's OPEnS Lab, and leading a rocketry team to compete at the SA Cup. I'm eager to apply what I've learned to make a difference in the engineering industry.

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## Experience

<b><u>Team Treasurer, OSU Experimental Sounding Rocket Team</u></b>	Sept. 2023 – Jun. 2024
Work extended far beyond a Treasurer. Acted as a co-lead to the team. Lead the Team to compete at the 2024 Spaceport America Cup.	
<b><u>Project Lead, OPEnS Lab FloDar</u></b>	Jan. 2021 – Nov. 2022
Worked alone to continue the development of <i>FloDar</i> , an environmental sensor to monitor groundwater discharge and its properties.	
<b><u>Team Co-Captain, FIRST Robotics Team</u></b>	Jan. 2016 – Jun. 2019
Captain of the student-led team, <i>Pigmice</i> . Managed departments and ensured cohesion. Had significant influence on the design and manufacturing of the robot.	
<b><u>Intern, BioMechanica LLC</u></b>	Summer 2017
Asked to interface a treadmill control to a Raspberry Pi as a summer internship.	

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## Education

<b><u>Bachelor of Science (B.S.), Mechanical Engineering</u></b>	Sept. 2019 – Aug. 2024
Oregon State University, Corvallis, OR   2024	
GPA: 2.93	
<ul style="list-style-type: none"><li>Team Treasurer, OSU AIAA ESRA</li><li>Project Lead, OPEnS Lab 'FloDar'</li><li>Math &amp; Science Tutor, OSU High School Equivalency Program</li></ul>	
<b><u>Portland Community College, Portland, OR</u></b>	Summer 2017 – Summer 2019
GPA: 3.57	
<ul style="list-style-type: none"><li>Calculus I &amp; II, Summer 2018 &amp; 2019</li><li>Machine Shop Class, Summer 2017<ul style="list-style-type: none"><li>Learned how to operate Mill, Lathe, Drill Press, 3D Printer, Basic CAD/CAM</li></ul></li></ul>	
<b><u>Cleveland High School, Portland, OR</u></b>	Sept. 2015 – Jun. 2019
GPA: 3.725	
Coursework	
<ul style="list-style-type: none"><li>IB Physics &amp; Biology HL, 2 years ea.</li><li>IB Computer Science and Math, 4 years ea.</li></ul>	
Awards	
<ul style="list-style-type: none"><li>Recipient of IB Thinker Award, 2016</li></ul>	

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## References

Mike Stewart, Flyer of Record & Mentor	(818)-282-8681	<a href="mailto:michael.stewart0223@gmail.com">michael.stewart0223@gmail.com</a>
John Greeven, Capstone Advisor	(541)-737-7522	<a href="mailto:john.greeven@oregonstate.edu">john.greeven@oregonstate.edu</a>

I encourage you to check out my [website](#).