

Dexter Carpenter

1618 SE Rex Street, Portland OR 97202

Cell: 503-964-9532, Email: dextercarpenter1@gmail.com

Industry Experience & Job History

Outreach Educator, Spokesman for Robotics Team

- Portland Engineering Week, 2017, 2018 and 2019
- Autodesk Portland, 2018
- FIRST LEGO League Mentoring, 2019 season
 - *Tournament Director* for practice FLL tournament, December 2018
- AWS Elemental, 2018
- DW Fritz *Bring your Problem to Work Day*, 2018
- Portland Maker Faire, 2017, 2018
- Mentored young girls [Explorers Program] in STEM, 2017, 2018
- Hillsboro Air Show, 2017
- Educated public about my team, STEM, FIRST, and my experience with it

Robotics Leadership Positions, FRC Team 2733, 2016-2019

- Team Co-Captain, 2019 Season (Managed whole team, awareness of progress of goals)
- Manufacturing Captain, 2018 Season (Focused on keeping manufacturing department on track)
- Build Lead, 2017 Season (Did a lot of labor, helped manufacturing captain manage department)

Machine Shop Class, Portland Community College (Summer 2017)

- Learned how to operate CNC Mill, Lathe, Mill, Drill Press, 3D Printers, Basic CAD and CAM

Biomechanica Internship, BioMechanica LLC (Summer 2017)

- Asked to create a way to interface a treadmill to a computer as a summer internship
- Used a Raspberry Pi and wrote my own software

Education

Cleveland High School

I currently attend Cleveland High School as a senior. I am taking the International Baccalaureate (IB) course option for all my classes. I have taken an overwhelmingly large number of STEM-related classes. One of my goals in high school was to obtain as many science and math credits as possible. I am graduating with 14.

Notable Classes I've Taken:

IB Physics HL	2 Years	Unweighted	3.725
IB Biology HL	2 Years	GPA	
IB Computer Science SL	4 Years	Weighted	4.059
Math	4 Years	GPA	

Portland Community College

I took calculus (MTH 251) at PCC summer 2018. I plan to take calculus again this summer as well (MTH 252). I have taken a *project machine technology* class (MCH 157) over the summer of 2017. The class was exclusively for FIRST Robotics students. I have a 4.00 GPA from PCC.

Skills & Qualifications

I am eager to learn and enjoy working in a professional environment. From leadership experience at robotics, I have good project management and communication skills. I have taught myself a great deal about CAD to an intermediate level. I have experience teaching and mentoring peers in attempt to pass down experience. This includes other team members on my robotics team, an all-girl boy scout troop, various FIRST LEGO teams, as well as the general public.

Honors & Awards

- Recipient of IB Thinker Award - 2015/2016 School Year
- Recipient of Engineering Inspiration Award – 2018 FRC Competition Season

Additional Experience

Xico, Mexican restaurant (3715 SE Division St.)

- Busser: June 2018 - September 2018
- Part time dishwasher: February 2016 - June 2016

Pinolo Gelato, Gelateria (3707 SE Division St.)

- Gelato server, Barista, June 2017 - December 2017

References

Cindi Carrel, Robotics Coach: ccarrel@gmail.com

Rafael Bobenrieth, IB Physics Teacher: rbobenri@pps.net

Martyn Shorten, Owner of BioMechanica, Martyn.Shorten@biomechanica.com

Liz Davis, Owner of Xico: liz@xicopdx.com

GitHub: github.com/DexterCarpenter