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| **Dexter Carpenter**  1618 SE Rex Street, Portland OR 97202  Cell: 503-964-9532, Email: dextercarpenter1@gmail.com |
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| **Industry Experience & Job History** |
| **Outreach Educator**, Spokesman for Robotics Team   * Engineering Week, 2017, 2018 and 2019 * Hillsboro Air Show, 2017 * FIRST LEGO League Mentoring, 2019 season   + *Tournament Director* for practice FLL tournament, December 2018 * Mentored young girls [Explorers Program] in STEM, 2017, 2018 * Educated public about my team, STEM, FIRST, and my experience with it   **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   **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 |
| **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.   |  |  |  |  | | --- | --- | --- | --- | | IB Physics HL | 2 Years | Unweighted GPA | **3.725** | | IB Biology HL | 2 Years | | IB Computer Science SL | 4 Years | Weighted GPA | **4.059** | | Math | 4 Years |   Notable Classes I’ve Taken:  **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/Solidworks to an intermediate level. I have experience making challenging parts such as several blocks used for my 2019 robot. These include the chain blocks in the drivetrain bars, as well as the blocks keeping the elevator straight. |
| **Honors & Awards** |
| * Recipient of IB Thinker Award - 2015/2016 School Year * Recipient of Engineering Inspiration Award * Build Lead of Robotics Team - 2016/2017 School Year * Manufacturing Captain of Robotics Team - 2017/2018 School Year * Team Captain of Robotics Team – 2018/2019 School Year |
| **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 |