

## Jacob Mukobi

jacobmukobi@gmail.com - 360.440.7271- Cumulative Unweighted GPA: 4.0

### WORK EXPERIENCE

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<b>HP Inc. High School Writing Systems Engineer Intern</b>	2019-Present
<ul style="list-style-type: none"><li>• Works on Sprocket product line development team, writing machine learning algorithms for automated image editing as well as testing printer colormaps and print quality. Learns what it means to work as a part of a corporate engineering team.</li></ul>	

### ACTIVITIES

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<b>FIRST Robotics Team 2471</b>	2016-Present
Lead Mechanical Designer	
<ul style="list-style-type: none"><li>• Designs and builds robots for autonomous and teleoperated accomplishment of tasks. Dedicated to building spectacular robots and helping new students learn about machining, computer-aided design, programming, electronics, testing, and more as a member of the engineering design team on team 2471, spending upwards of 35 hours per week in shop.</li><li>• Awarded 2 <i>Mill-Town Pride</i> awards, <i>PNW FRC Innovation In Control</i> award, <i>Wilsonville FRC General Motors Industrial Design Award</i>, <i>PNW FRC Chairman's</i> award</li></ul>	
<b>Camas High School Concert, Symphonic, and Marching Bands</b>	2016-Present
Alto Saxophone Player	
<ul style="list-style-type: none"><li>• Pursues love of music by learning about music theory, the alto saxophone, how to be well integrated with the entire band, and cheering on CHS sports with music in the CHS Band.</li><li>• Awarded 2 <i>Mill-Town Pride</i> awards for band in 2017 and 2018.</li></ul>	
<b>Student Pilot and EAA Young Eagles Program</b>	2017-Present
<ul style="list-style-type: none"><li>• Takes self-funded flight lessons and ground school with the help of the EAA to follow a passion for aviation to gain the ultimate freedom with a future in the sky.</li></ul>	

### VOLUNTEER EXPERIENCE

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<b>National Honor Society</b>	2018-Present
<ul style="list-style-type: none"><li>• Dedicated to giving back and serving the community by committing self to service.</li></ul>	
<b>FIRST Lego League</b>	2017-Present
<ul style="list-style-type: none"><li>• Volunteers with FIRST Robotics team to coordinate and execute robotics events at the elementary and middle school level with the hope of expanding engineering and robotics to a wider audience.</li></ul>	
<b>CAD Class Instructor</b>	2018-Present
<ul style="list-style-type: none"><li>• Mentors other robotics students by planning and teaching 2-hour-long weekly classes for computer-aided engineering (CAD) in order to build a stronger future for the robotics team.</li></ul>	
<b>Dorothy Fox 1<sup>st</sup> Grade Tutor</b>	2016
<ul style="list-style-type: none"><li>• Tutored weekly in a 1st-grade classroom at Dorothy Fox Elementary to help kids learn reading and math and have more fun doing so.</li></ul>	

### EDUCATION

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<b>Camas High School</b>	2016-Present
<ul style="list-style-type: none"><li>• Selected to be one in 34 of the over 500-member class of 2020 for the Math Science and Technology program to build skills in STEM research, leadership, and teamwork necessary to excel in a STEM field by conducting research projects, writing papers, and presenting findings in various symposiums.<ul style="list-style-type: none"><li>○ Research includes <i>The Future of Clothing: Infrared Interactive Clothing</i> (2017) and <i>Engineering Biological Water Treatment for Simultaneous Water Purification and Plant Growth In Long Term Spaceflight</i> (2018).</li><li>○ Awarded the <i>US Metric Association</i> award for distinguished use of accurate and detailed measurement and <i>2nd place</i> in the Washington State Science and Engineering Fair.</li></ul></li><li>• Distinguished coursework: Accelerated Geometry, Accelerated Algebra II, Accelerated Pre-Calculus, AP Environmental Science, AP Biology, AP World History, Concert Band, Symphonic Band, AP Language and Composition, AP Calculus BC, Pre-AP Spanish II, AP US History, and AP Physics</li><li>• Cumulative Unweighted GPA: 4.0</li></ul>	