



Robert "RJ" Cross
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EDUCATION

Oregon State University	GPA: 3.96	Expected graduation date: 6/2027
<i>Bachelor of Science, Mechanical Engineering</i>		
Newberg High School	GPA: 4.0 / 4.2	Newberg, Oregon
<i>Honors Diploma</i>		6/2023

EXPERIENCE

OSU HALE Rocket Team <i>Structure Systems Volunteer</i>	(Conner Daweson, dawsonco@oregonstate.edu , Grad Student Lead)	9/2023 - Present
<ul style="list-style-type: none">• R/D for the first collegiate liquid-liquid engine rocket to reach the Von Karmen line and be recovered• Designed, machined, and tested structural components• Collaborated with other sub-teams to make interconnecting systems		
Tiger Manufacturing <i>Student Machinist</i>	(Alvin Elbert, Alvin@aremanufacturing.com, (503) 330 - 2251, Owner)	9/2021 - 6/2022
<ul style="list-style-type: none">• Learned how to use CAD software and CNC machines efficiently• Worked with multiple large-scale companies, including A-dec, DCI Inc., and Ascentech• Trouble-shooted and set up CNC equipment for safe and effortless use		
Cross Brother's Landscaping <i>Co-owner</i>	(Cheryl McAffrey, (503) 347 - 7976, Founding Customer)	6/2018 - Present
<ul style="list-style-type: none">• Learned how to effectively bid jobs and run a profitable business• Established the importance of a meticulous and thorough job		

SKILLS

Platforms & Applications: G-code, C Code, Python, Inventor, Fusion 360, SolidWorks, Siemens NX, Auto AD, Microsoft Excel, Word, PowerPoint, Inkscape, Google Docs, Slides, Sheets

Applied Skills: 3D printing; Epilog laser operation, CNC and manual mill and lathe operation, stick and mig welding

Languages: English (native), Spanish (basic conversational speaking)

LEADERSHIP AND HONORS

- Nominated Band Program President - *Newberg High School* - Nominated to manage finances, attend meetings and coordinate with the parent fundraising club, and plan student outreach activities for 150 students. 9/2021 - 6/2023
- Elected Budget Committee Student Rep. - *City of Newberg* - Elected to serve in a voting student seat, and was familiarized with large-scale financing and strategic money management through the process of allocating COVID relief funds. 9/2021 - 6/2022
- Volunteer Instructor - Arranged and taught free oboe lessons once a week for kids in need throughout the surrounding community. 9/2021 - 7/2023
- Volunteer Camp Counselor - *Safety Town* - Volunteered as a camp counselor for a weeklong camp to educate young children about fire, water, electrical, stranger, and medicinal safety, as well as learning how to get help. 7/2021, /22, /23
- Valedictorian - *Newberg High School* 6/2023 • Honor Society - *Newberg Chapter* 9/2022 - 6/2023