

# Bradley L. Davis

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Education	Washington State University – Voiland College of Engineering and Architecture, Honors College Electrical Engineering Major, Expected Graduation May 2021 GPA: 3.82, Fall 2017 President’s Honor Roll			
	Tahoma Senior High School, Covington, WA		Graduated with Honors	
Work Experience	Schweitzer Engineering Laboratories		May 2018 - Present	
	Hardware Engineering Intern			
	<ul style="list-style-type: none"><li>Developed a Gigabit Ethernet reliability and throughput testing software</li><li>Created a testing tool to detect manufacturing defects</li><li>Aided board bring-up and functional testing of an Intel Atom based computer</li></ul>			
	Smith Gardens		2017	
	Retail Merchandiser			
	<ul style="list-style-type: none"><li>Verified, sorted, and consolidated daily deliveries with existing inventory to maximize aesthetic appeal of merchandise to meet sales goals</li><li>Served as liaison between management on product requests, sales numbers, and problem solving</li></ul>			
	Tahoma Robotics Summer Camp		2015 – 2018	
	Lead Technical Counselor			
	<ul style="list-style-type: none"><li>Aided campers with designing, building, wiring, and programming of VEX robots</li><li>Formulated unique games for each year including programming a real-time scoring software with integration into professional audio / visual live streaming equipment</li></ul>			
Activities	Cougs in Space – WSU Satellite Club		2017 – Present	
	Chief Technical Officer and Head of Printed Circuit Board Development			
	<ul style="list-style-type: none"><li>Advise and manage all projects related to the satellite’s development</li><li>Created circuit design and layout for 6 unique surface-mount technology space-grade boards</li><li>Established standard for satellite modules utilizing a common backplane bus</li></ul>			
	Tahoma Robotics Club – Bear Metal, FRC 2046		2012 – 2017	
	Design Lead (2014 – 2017) – Assistant Design Lead (2013 – 2014)			
	<ul style="list-style-type: none"><li>Designed and created CAD for 90% of robot that won <b>Autodesk Robot CAD Competition</b> at PNW District Championship in 2015, 2016, and 2017</li><li>Led design team to win <b>General Motors Industrial Design Award</b> in 2015, 2016, and 2017</li><li>Taught advanced Autodesk Inventor classes at a local robotics workshop, 15 FRC teams in attendance</li><li>Organized 40 designers, fabricators, assemblers, electricians, and programmers to consistently create a successful robot; placing 5<sup>th</sup> out of 5,000 teams worldwide in 2017</li></ul>			
	Independent Studies / Projects			
	<ul style="list-style-type: none"><li>Autonomous Navigation for Flying Robots – edX course: Technische Universität München</li><li>Circuit design and layout for 5 unique surface-mount technology boards (SMT PCB)</li><li>Amateur Radio (HAM) Technician – W7ZZT</li></ul>			
	Skill Highlights	Excellent	Skilled	Familiar
		Autodesk Inventor Autodesk EAGLE Microsoft Publisher Microsoft Excel Microsoft Word	Mastercam Java C/C++ Autodesk 3ds Max GIMP	Unity/C# JavaScript HTML CSS Davinci Resolve