

SHILOH ROBINSON

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Engineering student at WPI with 4 years of hands-on fabrication experience. Skilled in using hand tools, maintaining equipment, and working efficiently in fast-paced environments. Strong interest in CNC and manual machining, and mechanical design.

EDUCATION	Worcester Polytechnic Institute Worcester, Massachusetts <i>BS Mechanical Engineering, Minor in Manufacturing Engineering</i> 2025 - 2029 (<i>expected</i>) <ul style="list-style-type: none">• GPA: 3.5/4.0• Member of Lens & Lights Club• Relevant Coursework: ME 1800: Manufacturing Science, Prototyping, And Computer-Controlled Machining; ES 1310: Intro to CAD (Solidworks)
EXPERIENCE	Peer Learning Assistant for ME 1800 <ul style="list-style-type: none">• Facilitate lab sessions for class• Assemble and probe tooling, and set up workholding for lab sessions• Train other students how to operate Haas CNC machines• Provide feedback on research and capstone projects• Perform basic maintenance on machines FIRST Robotics Competition Team 5940 <ul style="list-style-type: none">• Head of Fabrication since 2024, member since 2021• Led a team of 30+ students through full robot builds• Taught new members safe machine and tool use• Designed robot mechanisms in Onshape• Programmed manufacturing toolpaths (CAM) for most machined parts• Supported wiring, assembly, and iterative prototyping Lens and Lights Club <ul style="list-style-type: none">• Project 35mm and 70mm film on Phillips Norelco DP70 projector• Perform basic maintenance on projection equipment• Setup and lead lighting and sound for events on campus• Operate sound and lighting consoles at events
SKILLS	CAD Software: <ul style="list-style-type: none">• 4 years experience with Onshape• Basic familiarity with Solidworks and Fusion 360 CAD Fusion 360 CAM <ul style="list-style-type: none">• Extensive experience with programming 2.5D parts• Experience using part nesting software Mastercam <ul style="list-style-type: none">• Basic experience CAMing 3 axis mill and lathe parts Tools & Equipment: <ul style="list-style-type: none">• Bridgeport manual knee mill• Manual 10x22 bench-top lathe• Manual 13x40 engine lathe• Woodworking equipment (table saw, miter saw, band saw, drill press)• CNC Router (ShopSabre 23)• Haas TM-0 Mill & ST-10 Lathe with Next-Gen controller• Epilog 12x24 CO2 Laser• Various 3D printers