

Ezekiel Andreassen

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Summary

- Worcester Polytechnic Institute Robotics and Mechanical Engineering
- Able to operate CNC mill, lathe, 3D printer, laser cutter, power tools
- Proficient with Solidworks, VScode, Fusion 360
- Experience in Python, ROS, Matlab, C++ & C programming, microcontrollers

Education

2018 Aug – Present	Worcester Polytechnic Institute <ul style="list-style-type: none">• Robotics Engineering and Mechanical Engineering Double Major• Taken RBE 1001, 2001, 2002 & 3001, ECE 2049 & 2201• Manufactured and programmed LED wall using ESP32• Currently developing carbon fiber composite longboard deck• CAVE Manager – run and operate the WPI climbing gym	GPA 3.34 (out of 4)
2014 Aug – 2018 June	Ransom Everglades High School, FL	

Experience

2019 Jan – Present	Design Lead, Ribbot- Battlebot <ul style="list-style-type: none">• Designed and assembled subsystems on the Battlebot Ribbot<ul style="list-style-type: none">◦ Spent 3 weeks machining, 150+ hours machine time on HAAS CNC machines◦ Designed and fabricated large vacuum former and formed robot's exterior.• Competed in a 2-week competition for Discovery Channel<ul style="list-style-type: none">◦ Repaired damage to the robot and made upgrades during the competition
2019 Oct – Present	Foiesie Lab Assisment, Worcester Polytechnic Institute <ul style="list-style-type: none">• Stocking inventory, filling student part orders, updating inventory in our online database• Preparing student intruction
2016 Oct – 2018 May	Mechanical Lead, Ransom Everglades Combat Robotics <ul style="list-style-type: none">• Oversaw the construction of robots<ul style="list-style-type: none">◦ Ensured all systems could be mechanically integrated• Designed, manufactured, and maintained multiple robots• Team President 2017-18
2017 June – 2018 July	Engineering Design Intern, Syntheon LLC. <ul style="list-style-type: none">• Did tasks for engineers, including aiding in the manufacturing process.• Developed peripherals for an endoscopic device
2018 July – Present	Youth Development Leader, YMCA Camp Warren. <ul style="list-style-type: none">• Organized a 200 person all day event• Lead multiple trips into national parks.