# 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

2014 Aug – 2018 June

**Worcester Polytechnic Institute**  GPA 3.45 (out of 4)

* 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

**Ransom Everglades High School**, FL

## Experience

2019 Jan –

Present

2019 Oct –

Present

2016 Oct –

2018 May

2017 June –

2018 July

2018 July –

Present

**Design Lead, Ribbot- Battlebot**

* Designed and assembled subsystems on the Battlebot Ribbot
  + Spent 3 weeks machining, 150+ hours machine time on HAAS CNC machines
  + Designed and fabricated large vaccuum former and formed robot’s exterior.
* Competed in a 2-week competition for Discovery Channel
  + Repaired damage to the robot and made upgrades during the competition

**Foisie Lab Assisstment, Worcester Polytechnic Institute**

* Stocking inventory, filling student part orders, updating inventory
* Preparing student intruction

**Mechanical Lead, Ransom Everglades Combat Robotics**

* Oversaw the construction of robots
  + Ensured all systems could be mechanically integrated
* Designed, manufactured, and maintained multiple robots
* Team President 2017-18

**Engineering Design Intern, Syntheon LLC.**

* Did tasks for engineers, including aiding in the manufacturing process.
* Developed peripherals for endoscopic devices

**Youth Development Leader, YMCA Camp Warren.**

* Organized a 200 person all day event
* Lead multiple youth trips into national parks.