

Ryan Sheehy

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Technical Skills

Computer Aided Design(CAD) Programs

- Inventor
- Freecad

Machining Experience

- Lathing
- MIG welding
- Angle grinding
- Band saw
- Chop saw
- Cordless Drill
- Drill Press
- Bench Grinder

Education

- **Saint Francis High School, Mountain View**

- AP US Government, AP Macroeconomics, AP Calculus AB, AP Calculus BC, AP Computer Science A, AP Computer Science Principles, AP Statistics

- **4 years in High School Robotics Club**

- The First Robotics Competition is a 6 week period during the school year where a team has to build a robot to play a game set out by a ~ 100 page rule book. We had to carefully follow this rule book in order to pass inspection. My team number was 2367.

- I was part of the Robotics club coding team where we would use C++ to allow the robot to be driven autonomously and by a controller. I used concepts such as PIDs and Motion Profiling.

- My senior year I got to lead a team of people where we CADed and designed a manipulator that would allow the robot to climb and balance on a bar.

- My junior year I got to drive my team's robot in the First Robotics Competition.

- I got to learn leadership skills, coding, basic electrical wiring, machining skills, and mechanical engineering.

Work Experience

- **A summer teaching incoming freshman robotics at Saint Francis High School**

- I supervised and taught around 20 incoming freshmen how to build a basic robot and at the end of the program they got to compete with their robots.

- **May 23, 2021 to May 23, 2022 at Gener8 as a Shipping/Receiving Clerk**

- I would take printed circuit board parts from inventory and group them together according to the quantities and parts from a Bill of Materials. I would document which parts were chosen and update the quantities so the database and inventory would match.

- **Jan 9, 2023 to present at Jook Tech as a Software Engineer Intern**

- As a web developer, I utilized my skills in React and Node.js to design and develop stunning and user-friendly websites. Also, I applied my expertise in Android Studio to create engaging Android applications.