

# Gowan Rowland

Scottsdale, Az  
(602) 582-3749  
[gowan.rowland@gmail.com](mailto:gowan.rowland@gmail.com)  
[gowanr.github.io](https://gowanr.github.io)  
[github.com/GowanR](https://github.com/GowanR)

## EXPERIENCE

### **STARA Technologies, Gilbert, Az — Engineering Intern**

June 2016 - July 2016

STARA Technologies is an engineering firm that focuses on defence. Worked as an engineering intern in the summer of 2016

### **Sabercat Robotics, Scottsdale, Az — Chief Mechanical Engineer/CEO**

August 2013 - PRESENT

Worked on the Sabercat Robotics Team for 4 years. Worked on the design, manufacturing, and programming of FRC robots. Everything from Solidworks, to control engineering and programming is under umbrella of skills.

### **Acme Motorwerks, Scottsdale, Az — Mechanic/Machinist**

May 2009 - PRESENT

Acme Motorwerks is an auto repair shop. Repaired and restored cars. Weld steel, plasma cut, sandblast, paint, and so on. Worked on older models.

## EDUCATION

### **Saguaro High School, Scottsdale, Az — Class 2017**

August 2013 - May 2017

Attended Saguaro High School for entire Highschool Career. Had significant roles in leading the robotics team, the Model United Nations, and The Saguaro Code Club.

### **Arizona State University, Tempe, Az — Class 2021**

October 2015 - PRESENT

Mechanical Engineering. ASU Rowing Fall 2018.

## SKILLS

Solidworks  
Fusion 360 (simulation, topology optimization, CAM)  
3D Printing (Cura)  
Tormach Operation  
Plasma Table Operation  
Basic Machining  
Welding  
Classical Control Systems  
Full Stack Web Development  
Automotive Repair  
Microsoft Office  
Linux (Debian derivatives and Arch)

## LANGUAGES

Java, C++, C, JS, Coffeescript, bash, Lua, Rust, and Python

## FRAMEWORKS

Electron, Bootstrap, jQuery, JUnit, OpenCV, scikit learn, wpilibj, redis