

Gowan Rowland

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EXPERIENCE

Luminosity Lab, Tempe, Az — Engineer

June 2018 - PRESENT

Luminosity Lab is ASU's fast paced "skunkworks" style engineering lab. Works on hardware projects in the lab. Models, simulates, manufactures, assembles, programs, and tests hardware projects.

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

Student August 2013 - August 2017, Mentor August 2017 - 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 2020

October 2015 - PRESENT

Mechanical Engineering. ASU Rowing Fall 2018.

SKILLS

Solidworks
Fusion 360 (simulation, topology optimization, CAM)
FDM Printing (Cura)
Tormach Operation
Plasma Table Operation
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

