

# Isaac Rex

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Excellent learner with 5 years self-motivated experience doing electronics projects. Looking for electronics engineering internship where creativity, quality, and design are valued.

## Projects:

- Complete restoration of 1984 Camaro
- Designed car lighting solution and electronic window management system for the Camaro
- Designed custom power supply for use in testing and development
- Built audio amplifier for car stereo
- Digital Logic project implementing an encryption algorithm in hardware
- Part of a team designing a digital clock with building-block logic gates
- Part of a team designing and building a music spectrum visualizer
- Implemented electronic controls and assisted in restoration of a Monarch lathe

## Skills:

- Ability to read and design electrical schematics and lay out PCBs
- Proficient in EAGLE PCB software
- Proficient and diligent with heavy machine maintenance and repair
- Over 6 years experience operating and maintaining heavy equipment

## Education:

### - Iowa State University – Junior, graduating December 2020

Electrical Engineering—emphases in control systems

- GPA: 4.0
- Team leader in project club
- Critical classes:
  - EE 230 (Electronic Circuits and Systems)
  - CprE 281 (Digital Logic)
  - EE 186 (Project based EE lab)

## Work Experience:

### - Denver Syrup and Bar Supply; Colorado Springs, Colorado – 2016-2017

- Improved customer relations by working closely with the manager to take responsibility of all service within a 50 mile radius of Colorado Springs
- My service area consistently had the highest customer satisfaction of all the areas managed by Denver Syrup
- Worked closely with team members from different service areas to develop new solutions to common problems

Responsibilities involved service and maintenance of soda, juice, slushy, and coffee machines.

### - Dean Rex Excavation; Eagle Rock, Missouri – 2010-2015

- Improved community outreach by cultivating customer and supplier relationships
- Reduced overhead by assisting in all in-house maintenance and repair of heavy equipment
- Constantly adapting to changing weather conditions

Responsibilities involved manual labor, operating heavy machinery, and machine maintenance.