

Dalton J.
Auto Mechanics/Offroad Design
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My internship experience was amazing. The site I chose was perfect for me because the tasks I performed went along with what I want to do as a career. We worked on cars for dealerships and private owners along with building off road vehicles. Honestly, I have learned more working at my internship site than I ever have in school

Skill I learned

- Suspension – I learned a lot about how the suspension system of a car works on and off road.
- Brakes – I performed multiple brake jobs from basic pad changes to replacing master cylinders.
- Engines – I replaced whole engines and helped rebuild a few.
- Transmissions – I changed fluids, filters and whole transmissions.
- Diagnostic Tools – I learned how to correctly use the diagnostic tool to diagnose problems.

Responsibilities

- Sweeping
- Fluid Changes
- Basic part swaps
- Help on major projects

Project

The main project that I worked on after hours was a 1988 Toyota 4x4 that we built for a daily driver that would be capable of off road trips.

- Rebuilt the motor
- Replaced the stock 4.10 gears with 5.29 along with rear spool
- Built front and rear bumpers and a flatbed/roll cage
- Painted the truck
- Replaced rear springs with 63in Chevy springs
- Put on a 4in suspension lift and a 3in body lift
- Replaced the stock 235/75r15 tires with 37x12.6x16.5 military tires
- Off road lighting