

Fernando Castaneda

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SUMMARY

Early career **mechanical helper** with hands on preparation in **mechanical maintenance**, automotive systems, fabrication, shop safety, and equipment repair through trade school training, supervised lab work, and part time shop experience. Practical work includes hand tools, power tools, machine shop equipment, basic welding, metal cutting, fitting, measurement, preventive maintenance, disassembly, reassembly, and safe material handling. Completed pump and drive maintenance work, equipment inspections, simulated troubleshooting, and supervised hoisting and rigging exercises. Applies reading comprehension, practical mathematics, mechanical aptitude, hazard identification, and sound judgment when following **work instructions**. Holds a valid **California Class C driver's license** and OSHA 10 Hour General Industry certification. Contributes dependable shop support through organized tools, clear communication, careful documentation, and consistent attention to safe work practices.

EDUCATION

Certificate in Automotive and Mechanical Technology

Riverside Technical Institute GPA: 4.0

Coursework: Automotive mechanics, machine shop practices, welding fundamentals, mechanical maintenance

2026
Riverside, CA

TECHNICAL SKILLS

- **Hand and Power Tools:** Wrenches, drills, grinders
- **Machine Shop Equipment:** Vises, presses, measuring tools
- **Automotive Service Tools:** Floor jacks, jack stands, torque tools
- **Fabrication Methods:** Cutting, drilling, grinding
- **Welding Practices:** Basic welding, metal fitting, repair
- **Mechanical Maintenance:** Inspection, lubrication, preventive maintenance
- **Equipment Repair:** Disassembly, inspection, reassembly
- **Rigging Equipment:** Lifting accessories, attachment points, load control
- **Safety Practices:** Tool inspection, hazard identification, safe shutdown
- **Documentation Systems:** Inspection checklists, maintenance logs, work instructions
- **Measurement Methods:** Dimensional checks, alignment checks, torque specifications
- **Mechanical Systems:** Pumps, small engines, drive assemblies

SKILLS

- | | | | |
|--------------------------------|------------------------|--------------------------|---------------------|
| • Mechanical aptitude | • Interpersonal skills | • Mechanical maintenance | • Metal fabrication |
| • Safety focus | • Shop mathematics | • Machine shop practices | • Equipment repair |
| • Reading comprehension | • Hand tools | • Automotive mechanics | • Material handling |
| • Judgment and decision making | • Power tools | • Basic welding | |

EXPERIENCE

Mechanical Helper Trainee

Student Lab

January 2026 - Present
Riverside, CA

Support supervised mechanical maintenance training involving pumps, small engines, shop assemblies, hand tools, **power tools**, inspections, fabrication exercises, lifting accessories, and maintenance records. Work closely with instructors and student teams while applying safe procedures, practical mathematics, and careful **equipment handling**.

- Returned pumps and small engines to serviceable condition using checklists and safe tool practices.
- Labeled disassembled components and recorded observations, helping instructors verify sequence, fit, and condition.
- Produced metal coursework pieces through measuring, cutting, drilling, grinding, and **fitting** exercises.
- Removed unsafe grinders, drills, vises, and lifting accessories after documented pre use inspections.
- Practiced **hoisting** and basic **rigging** with training loads, following attachment and communication procedures.
- Maintained organized work areas and records, supporting safe turnover between student teams.

Mechanical Shop Assistant

Part Time Automotive Shop

June 2025 - December 2025
Riverside, CA

Supported supervised automotive service preparation through tool staging, component organization, basic vehicle tasks, **equipment handling**, inspection support, and shift documentation. Coordinated with technicians during **repair** preparation and applied manufacturer information, shop mathematics, and safe lifting practices.

- Prepared passenger vehicle service work by staging tools and securing areas for technician **inspection**.
- Completed supervised fluid checks, battery service, tire tasks, and component removal using manufacturer information.
- Inspected hoses, belts, fasteners, and fittings, giving technicians organized findings before **reassembly** decisions.
- Used floor jacks, jack stands, torque tools, pneumatic tools, and **hand tools** safely.
- Applied torque specifications, fluid quantities, and measurements, reducing setup errors during training shifts.
- Recorded completed tasks and tool condition, supporting accurate handoffs between shop shifts.

Mechanical Maintenance Capstone Student

January 2025 - May 2025

Capstone Project

Riverside, CA

Developed a supervised maintenance plan for a training pump and drive assembly, combining inspection, lubrication, alignment, component repair, metal **fabrication**, hazard controls, and maintenance documentation. Presented findings and corrective steps to instructors through a final demonstration and service log.

- Created **pump** maintenance steps covering inspection points, lubrication checks, fastener verification, and shutdown.
- Diagnosed simulated faults by reviewing symptoms, checking alignment, and comparing measurements with specifications.
- Reinstalled cleaned bearings, guards, couplings, and related components after controlled inspection and sequencing.
- Fabricated a mild steel mounting bracket using layout, cutting, drilling, deburring, and fitting.
- Presented controls for pinch points, rotating equipment, sharp edges, and lifting tasks.
- Documented tools, inspection results, corrective steps, and future servicing lessons in a maintenance log.

PROJECTS

Pump and Drive Maintenance Plan 📅 2025

Built a service plan with instructors for repeated lab use, covering inspection, lubrication, alignment, safe shutdown, component checks, and clear maintenance records. Team review connected each task with safer equipment handling and reliable service decisions.

LEADERSHIP & AWARDS

- Outstanding Shop Safety Recognition, Riverside Technical Institute, 2026
- Dean's List, Riverside Technical Institute, 2025
- Peer Shop Safety Mentor, Student Lab, 2026

CERTIFICATIONS

- OSHA 10 Hour General Industry 📅 2026
- California Class C Driver's License 📅 2025

PROFESSIONAL AFFILIATIONS

- Mechanical Skills Practice Group, Riverside Technical Institute, 2025 to 2026
- Student Lab Safety Activities, Riverside Technical Institute, 2026

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST