

# Steven Rodriguez

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## Summary

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12 years of experience in the electronics field with extensive experience in troubleshooting electronic equipment and performing maintenance and calibrations. 3 years working with electro-pneumatic and robotic systems in a detail driven industrial environment. 3 years as a frac E-tech/Mechanic where I learned the importance of safety first operations. Excel equally working in a team setting or alone with little to no supervision.

## Work Experience

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### 2017-2019 Electronics Field Technician

*Halliburton*

- \* Drew from all aspects of all my prior experience in order to provide stellar onsite electronic support for all frac equipment on location and IT equipment onboard frac van.
- \* Performed mechanic field maintenance daily:
- \* Performed engine diagnostics using Cummins Insite and CAT ET
- \* Performed mid level engine and transmission repairs:
  - Changed solenoids
  - Replaced temp, speed, position, and pressure sensors
  - Replaced right angle drives and drive shafts
- \* Adjusted sand conveyor belts when necessary.
- \* Resolved Control Area Network issues by diagnosing faulty sensors, logic controllers, and software incompatibilities.

### 2016-2017 Cable Technician

*Blackbox Networking*

- \* Installed network infrastructure for Booz Allen, Google, USAA
- \* Set up server racks, ran and terminated ethernet cables
- \* Installed cell phone repeater networks for Verizon throughout the UTHSC campus

### 2006-2009 Engineering Technician

*Samsung Austin Semiconductor*

- \* Performed basic and advanced robot calibration and repairs
- \* Isolated and replaced faulty mechanisms in complex electro-pneumatic systems
- \* Calibrated and maintained a variety of motion, water, and pressure sensors
- \* Used software to manipulate mechanical functions with attention to safety

- \* Responded to customer trouble calls and complaints in a courteous manner
- \* Managed time and resources due to a fast paced, high pressure environment
- \* Clearly communicated all equipment issues to senior engineers and oncoming shift technicians as well as recorded and described all work and job progress in a maintenance database.
- \* Assisted engineers in setup and testing of experimental new components and software.

2000-2006

**Electronics Technician**

*U.S. Navy*

- \* Performed preventive and repair maintenance on an array of equipment including:
  - UHF/VHF transmitters/receivers
  - Telephone lines
  - Fiber optic lines for LAN system
  - Surface and air search radars
- \* Identified equipment malfunctions and diagnosed to component and modular level using schematics and/or blueprints
- \* Conducted precise equipment calibrations on test equipment and radios
- \* Responsible for ordering and tracking parts while adhering to budget constraints
- \* Managed the installation and final testing of over 200 devices during a major communication system upgrade.
- \* Worked under strict FAA guidelines, where attention to detail is imperative.

## **Education**

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UTSA - engineering courses

US Navy Electronics Technician "A" School