

Ignacio Aguirre Orozco

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SUMMARY

Computer Science student with experience in quality control and technical inspection. Comfortable in engineering environments, emphasizing data accuracy and problem-solving. Strong interest in software development. Able to work independently or in a team, with a focus on learning quickly and delivering reliable results.

EXPERIENCE

Quality Control Technician, Keystone Engineering

02/2025 – Present
Houston, tx

Performed precision inspections on machined parts using bore gauges, vernier calipers, digital/analog micrometers, gauge blocks, and height gauges.
Utilized a profile projector (optical comparator) and surface plate with dial indicators to verify geometry, radii, and flatness against engineering drawings.
Documented inspection results with focus on data accuracy, traceability, and compliance with engineering standards.
Reported inspection findings to supervisors and engineers, providing detailed feedback on defects to support corrective actions.

Saw Operator, Dan-Loc Group

2022 – 2024
houston, United States

Being originally hired as a chamferer and stamper, i got promoted to saw operator where i would not only learn to cut material on an automatic saw but also on multiple types of band saws.
Made sure material type, length, width, and threads were correct before cutting to the appropriate size.
Used crane to load correct material type onto the saw machine and finished orders were dropped into crates onto a pallet where I would use the forklift/pallet jack to move the orders to be chamfered and stamped.
Quality check machine blade and replace it if not in good condition..

Chamferer and Stamper, Dan-Loc Group

2022 – 2024
houston, United States

Arrange order by date and start to work on the order needed fastest date.
Identify the chamfer angle.
Check the width of the stud and set up the appropriate size, once the size is set up add paper on the side that is chamfering the most to even out the chamfer while slowly bringing the chamfer up to be even.
Quality check chamfer with correct 2A gauge and threads
Identify the type of material stated on the paper and set up stamper based on the material type and width..

Wire cutter/inspector, Gilmore Global Instruments

2022 – 2022
Houston, United States

Organized orders by date and cut wire based on the product needed first.
Identified which wires were needed for each order such as the gauge color and type, then I pass them through a stamper that would stamp the number and/or symbols of my choosing.
After setting the stamp, temperature, and foil color you run the wire through the cutter and cut according to the order.
Made sure wire did not slip out of the stamper while being pulled by the cutter, and the wheels were not slipping and adding/cutting length..

EDUCATION

Associate of Science in Computer Science, San Jacinto College, Pasadena, TX

05/2025

GPA: 3.52/.00 (Overall), 3.75/.00 (Core Classes)

Honors: Top 10% of Nation

Activities: Member, Phi Theta Kappa Honor Society