

# Frank Robertson

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## Applied Engineering Technician | Fabrication Specialist | Industrial Technology

Engineering technology student and fabrication professional with experience in ship fitting, welding support, and industrial manufacturing environments. Combines hands on mechanical fabrication with applied engineering skills in automation, information technology, and emerging AI driven systems. Experienced reading technical drawings, assembling structural metal components, operating industrial equipment, and working safely in shipyards and production facilities while expanding expertise in automation, industrial IoT, CAD systems, and artificial intelligence applications.

### Core Technical Skills:

- 1. Fabrication & Mechanical Systems:** Structural metal fabrication, ship fitting and marine assembly, welding assistance (MIG, flux core), metal cutting, grinding, shaping, assembly and structural alignment, blueprint and technical drawing interpretation.
- 2. Industrial Equipment & Tools:** Industrial fabrication equipment, hand tools, pneumatic tools, impact tools, grinders, material handling and positioning, industrial shop equipment operation.
- 3. Applied Engineering & Technology:** Automation and process improvement, industrial Internet of Things systems, computer aided design fundamentals, introduction to artificial intelligence applications, manufacturing systems and production processes, technical troubleshooting and system optimization.
- 4. Information Technology & Digital Systems:** Information technology fundamentals, digital systems and connected devices, system troubleshooting, technical documentation, emerging AI and machine learning technologies.

## Professional Experience

### Ship fitter/Fitter — Textron Systems | New Orleans, LA | 2023–2024

Performed structural ship fitting and fabrication supporting marine vessel construction in a heavy industrial shipyard environment. Assembled and installed structural metal components using fabrication drawings, cut and aligned steel using grinders, saws, and pneumatic tools, assisted welders with material preparation and positioning, verified fitment before final welds, and maintained strict safety practices around cranes, heavy equipment, and confined spaces.

### Junior Metal Fabricator — Joly's Sheet Metal | New Orleans, LA | 2022–2023

Supported fabrication and assembly of commercial and industrial sheet metal components. Operated cutting, bending, and shaping equipment under supervision, prepared materials for fabrication processes, used drills, grinders, pneumatic tools and measurement equipment, and maintained organized safe shop environments.

### Ship fitter / Fabrication Technician | New Orleans, LA | 2021–2022

Performed structural fabrication and fitting work for marine vessel construction including cutting and installing metal components, interpreting blueprints for alignment and positioning, assisting welding teams with material preparation, and working safely in confined spaces and elevated industrial environments.

### Fabrication Technician — Lapeyre Stair | New Orleans, LA | 2020–2021

Supported manufacturing of industrial stair systems and structural metal assemblies using grinders, saws, drills, and pneumatic tools while following fabrication drawings, preparing components for production, positioning heavy materials, and maintaining clean and safe workspaces.

## Education

### Bachelor of Applied Science — Engineering Technology (In Progress), DeVry University

Relevant study: automation and control systems, industrial IoT, computer aided design, manufacturing systems, process improvement, and introduction to artificial intelligence applications.

### Associate of Applied Science — Welding Technology, Delgado Community College

### Certifications

OSHA 10 General Industry Safety • Information Technology Essentials • Valid Driver's License