ARTURO I. ALTAMIRANO

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Summary - Field Service Engineer with a strong background in automation, computer networks, and industrial systems. Combines a solid academic foundation in computer science with extensive hands-on engineering experience and a passion for all forms and applications of technology.

EDUCATION

Tulane University   08/2024 – 12/2025
MS, Computer Science - **GPA: 3.5**   *New Orleans, LA*

Relevant Coursework - Computer Architecture, Reinforcement Learning, Machine Learning

Louisiana State University   08/2019 – 05/2023
BS, Information Systems and Analytics - **GPA: 3.4**   *Baton Rouge, LA*

Relevant Coursework - Advanced Programming, Data Management, Enterprise Network Architecture

Industry Certifications/External Coursework:

- AWS Advanced Networking Specialty (ANS-C01) ↗
- Cisco Certified Networking Associate (CCNA 301-200) ↗
- Data Structures and Algorithms with C++ by IBM ↗
- AWS Solutions Architect – Professional (SAP-C02) ↗
- VMware Data Center Virtualization (VCTA-DCV) ↗
- Foundational C# by Microsoft ↗

EXPERIENCE

Kongsberg Maritime ↗   01/2026 – Current
Field Service Engineer - Merchant   *New Orleans, LA*

- **K-Chief 600/700** – Maintained Kongsberg Systems across the Americas and international vessels, ensuring optimal performance of automation and sensor platforms.
- **System Development and Implementation** – Implementation solutions for newly manufactured vessels, including navigation design, installation, and infrastructure planning.
- **General Maintenance and Repair** – Performed mechanical and electrical diagnostics to troubleshoot and repair vessel systems, maintaining high reliability of Kongsberg-supported infrastructure.

Gallo Mechanical ↗   05/2025 – 08/2025
Building Information Intern   *New Orleans, LA*

- **Revature API Scripting** – Developed utility scripts for Revit to enhance Building Information Modeling (BIM) capabilities, streamlining schematic modeling workflows.
- **Software Development and Documentation** – Ensured quality code production by following best practices and maintaining a clean, well-documented codebase with a well organized Git pipeline.

Syncom Space Services ↗   05/2024 – 08/2024
System Engineering Intern   *NASA Michoud Assembly Facility, LA*

- **JCI Metasys Graphics and Field Devices** – Administered and expanded a Metasys WAN to support facility-wide building automation systems, ensuring continuous fulfillment of manufacturing operations.
- **BACnet and Modbus Industrial Systems** – Configured field devices and developed design schematics for industrial communication networks, supporting seamless integration and data exchange across automation systems.

GMFS Mortgage ↗   05/2022 – 08/2023
Information Technology Intern   *Baton Rouge, LA*

- **ManageEngine ServiceDesk** – Provided technical support for approximately 300 employees by resolving ServiceDesk tickets ranging from locked accounts to faulty hardware.
- **Hardware Service** – Diagnosed and repaired user equipment and workstations using hand tools and spare components, ensuring minimal downtime and reliable system connectivity.

TECHNICAL SKILLS

Hardware: Cloud Computing (AWS Elastic Beanstalk, RDS, EC2), Manufacturing Computing, HVAC and Industrial Building Automation (JCI Metasys), BACnet Communications (MS/TP, IP)

Technologies/Frameworks: Python (Flask, Frozen-Flask, NumPy, Seaborne, TensorFlow, PyTorch), C/C++, Git, Linux/Unix, MySQL, NoSQL, HTML, CSS

Hands-On: Desktop computer assembly, field controller configuration, industrial networking devices, communication systems, and electrical wiring.