

# 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 - <b>GPA: 3.4</b>                          | New Orleans, LA   |
| Louisiana State University                                      | 08/2019 – 05/2023 |
| BS, Information Systems and Decision Sciences - <b>GPA: 3.4</b> | Baton Rouge, LA   |

## EXPERIENCE

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

- **Electrical and Mechanical Repair** – Performed in-field repairs of electrical devices and mechanical assemblies for a huge range of equipment.
- **Technical Documentation** - For new installs, developed 'white-paper' style outlines detailing installation procedures and future troubleshooting guides for crewmembers.
- **Customer Support** - Act as a liaison to crews and staff aboard vessels, selling valuable equipment, and maintaining currently installed Kongsberg systems.

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|-----------------------------|-------------------|
| Gallo Mechanical ↗          | 05/2025 – 08/2025 |
| Software Development Intern | New Orleans, LA   |

- **Revit API Scripting** – Developed utility scripts in the C# .NET framework for AutoDesk Revit to enhance Building Information Modeling (BIM) capabilities for users.
- **End User Testing and Quality Assurance** - Consult with users about desired features and thoroughly test solutions before deployment. Ensure a robust and graceful software experience for all users.

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

- **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.
- **Computer System Maintenance** – Rebuilt a series of HP B2600 workstations supporting manufacturing processes in a rotational spraying assembly. Used a Logicube SCSI-NG to clone sensitive HDD data between rebuilds.

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|-------------------------------|-------------------|
| 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, Seaborn, 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.