

# Zachary Nicholas

Hubert, NC | 910-320-1369 | [zachary.nicholas@outlook.com](mailto:zachary.nicholas@outlook.com)

Technical Projects: [github.com/Toast-stack](https://github.com/Toast-stack) | LinkedIn: [linkedin.com/in/zachary-nicholas1341](https://linkedin.com/in/zachary-nicholas1341)

## Professional Summary

Dedicated maintenance professional with expertise in mechanical troubleshooting, electrical diagnostics, hydraulic system optimization, and process improvement. Experienced in equipment diagnostics, technical reporting, inventory management, and workflow streamlining to ensure operational efficiency across complex systems. A strong foundation in structured problem-solving and cross-disciplinary collaboration, with adaptability reinforced by military training and field application. Continuously pursuing technical education to refine expertise in equipment maintenance and system reliability.

## Core Competencies

Mechanical, Electrical & Hydraulic Troubleshooting | System Optimization & Efficiency | Inventory & Documentation Management | Technical Reporting & Workflow Streamlining | Team Training & Operational Readiness

## Experience

**Independent IT Consultant** | Self Employed

**Jan 2020 - Present**

- Diagnosed and resolved technical inefficiencies, developing automation scripts (Python, PowerShell, Bash) to streamline processes.
- Advised on maintenance strategies and conducted structured evaluations to improve system performance.
- Assisted with software configuration and infrastructure enhancements, ensuring reliable system operations.

**Heavy Equipment Mechanic** | United States Marine Corps

**May 2017 - Aug 2021**

- Diagnosed and repaired mechanical, electrical, hydraulic, and fuel system failures, applying structured troubleshooting methodologies to ensure operational readiness.
- Conducted in-depth system assessments, optimizing performance through precise maintenance adjustments and quality inspections.
- Utilized diagnostic tools and automated testing systems to identify faults and improve equipment efficiency.
- Managed inventory control and documentation, ensuring proper classification, compliance tracking, and resource allocation.
- Collaborated with interdisciplinary teams, including electrical, automotive, and water systems specialists, to deliver comprehensive maintenance solutions.
- Developed standardized maintenance procedures, improving workflow efficiency and long-term equipment reliability.
- Trained and mentored junior personnel, reinforcing structured learning and enhancing technical expertise in equipment troubleshooting.

## Education

**B.S. in Computer Science**

**Oct 2021 – Dec 2024**

Southern New Hampshire University | GPA: 3.797