

# TIMOTHY, VICTOR OSAS B.Eng.

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## EDUCATION

### **Bachelor of Engineering (B.Eng.) in Marine Engineering**

April 2024

Nigeria Maritime University, Okerenkoko, Delta State

Final Grade: First Class Honors (4.51/5.0)

Undergraduate Thesis: Design and fabrication of Ocean Thermal Energy Conversion system for power generation.

## QUALIFICATIONS AND CERTIFICATIONS

- Certificate in Cybersecurity - 3MTT Nigeria 2025
- Cybersecurity Course - TECH4DEV 2025
- Cybersecurity and Digital Forensics – Cyber Secured India 2024
- Google Professional Cybersecurity Certificate - Google & Coursera 2024

## CYBERSECURITY PROJECTS

- [Capstone Project: Securing the Access Grid – Cybershield Corp](#)
- [Simulated incident response – Advanced Phishing Attack at Eurotrans Logistics](#)
- [Network Design for Kafitech Solution](#)
- [Website Monitoring Tool - A Python-Based Website Monitoring Tool](#)

## CYBERSECURITY SKILLS:

- Penetration Testing, Vulnerability Analysis, Network Security, Ethical Hacking, Digital Forensics, Traffic Analysis (Burp Suite), SIEM Tools, IDS
- Programming: Python, Linux, SQL, Bash
- Networking: VLAN Configuration, ACL Implementation, Firewall Management
- Systems: Linux Administration, Windows Server

## RESEARCH EXPERIENCE

### **Research Assistant**

Mar 2023 – Dec 2023

Dr. Nelson Igoma Research Group

Department of Marine Engineering, Nigeria Maritime University, Delta State, Nigeria

- Contributed to ongoing research on sustainable power generation systems with emphasis on thermodynamic modeling and prototype development.
- Conducted literature reviews on renewable energy systems, developed design models, and assisted in prototype fabrication.
- Set up experiments, collected and analyzed performance data, and documented results to evaluate system feasibility and efficiency.

### **Undergraduate Thesis Project**

Mar 2023 – Dec 2023

OTEC Prototype Development

- Designed and fabricated a small-scale ocean thermal energy conversion system for electricity generation.

- Modeled thermal efficiency under varying operating conditions and assessed the viability of OTEC for tropical regions

## PROFESSIONAL EXPERIENCE

### **Conversion Engineer**

Sep 2024 – Present

Funtay Group

- Spearheaded the successful conversion and precise calibration of over 100+ petrol vehicles to Compressed Natural Gas (CNG), ensuring optimal engine performance and reliability.
- Utilized advanced AEB2001N IC software for fine-tuning of each converted vehicle, achieving seamless integration and superior fuel efficiency.
- Managed and directed a team of technicians, overseeing critical conversion tasks including welding, cylinder seat fabrication, and strap installation, ensuring adherence to stringent safety and quality standards.
- Delivered substantial positive impact on fuel efficiency for clients, enabling vehicles to run perfectly on CNG, leading to significant reductions in operational fuel costs.

### **Engineering intern**

Aug 2022 – Feb 2023

Panafrican Equipment Nigeria Limited

- Conducted rigorous routine checks on diesel engines, monitoring performance parameters, fluid levels, and executing timely filter replacements to ensure operational integrity.
- Maintained comprehensive documentation of all engine room maintenance activities, meticulously logging irregularities and repairs for record-keeping and future reference.
- Collaborated effectively with senior engineers to diagnose and resolve complex mechanical and operational issues with diesel engines.

## OTHER SKILLS

Software & Tools: AEB2001N IC Software, Microsoft Office Suite, PowerShell, Kali Linux, Wireshark

Soft Skills: Team Leadership & Collaboration, Analytical Problem-Solving, Technical Documentation & Reporting, Adaptability to Complex Technical Systems