

SUMMARY

Computer Engineering graduate with hands-on experience in hardware development, embedded systems, testing and validation. Proficient in microcontroller programming, PCB design, and network infrastructure deployment. Developed an Arduino-based capstone integrating embedded systems, sensor/actuator control, and multi-subsystem validation. Detail-oriented and adaptable, seeking an engineering role in semiconductor manufacturing and process engineering.

WORK EXPERIENCE

iOne Resources, Inc.

Pasig City, Metro Manila

OJT Intern – Operations & Technical Dept.

Feb – Apr 2026 | 300 hrs

- Deployed and configured TP-Link Omada systems (VPN Gateway, PoE+ Switch, Wi-Fi 6 APs) across DepEd SWIP school sites per government project specifications.
- Validated Phase 2 network benchmarks (≥ 40 Mbps down, ≥ 10 Mbps up, < 100 ms latency) and verified content filtering compliance.
- Monitored device uptime/downtime via Ruijie Cloud; consolidated data for DICT monthly compliance reports.
- Configured SSID, captive portal, voucher auth, URL/app filtering, port blocking, and AP isolation across all sites.
- Applied Google Apps Script and Selenium for office workflow automation.
- Performed RJ45 crimping, structured cabling, and supported ISO audit documentation.

CAPSTONE PROJECT

Arduino-Based Self-Lifting Motorcycle Platform

STI College Ortigas-Cainta

BS Computer Engineering Capstone | Group of 4

Completed: October 2025

- Designed and developed an automated motorcycle platform integrating a pneumatic scissor-lift for flood protection, pressurized water rinser for post-rain cleaning, and GSM-based anti-theft detection — all controlled via Arduino microcontroller.
- Led system design and architecture; contributed to Arduino C/C++ programming, sensor/actuator integration, and hardware assembly.
- Conducted system testing and validation across all subsystems; authored technical documentation and project manuscript.

EDUCATION

STI College Ortigas-Cainta

Ortigas Ave. Ext., Cainta

Bachelor of Science in Computer Engineering

2022 – 2026

STI College Ortigas-Cainta

Ortigas Ave. Ext., Cainta

TVL-ICT – Computer and Communication Technology

2020 – 2022

SKILLS

Technical

- Java, Python, Arduino C/C++
- TP-Link Omada Network Configuration
- PCB Design (EasyEDA), Onshape (CAD)
- MS Office (Word, Excel, PowerPoint)

Automation & Scripting

- Python Scripting, Excel Automation

Multimedia & Docs

- Photoshop, Lightroom, Canva
- DaVinci Resolve, CapCut
- Technical Documentation & Reports

Project / Lab

- Arduino-Based Project Development
- Hardware Assembly & Troubleshooting
- RJ45 Crimping & Network Cabling

Soft Skills

- Teamwork • Communication • Adaptability
- Time Management • Attention to Detail

ACADEMIC AFFILIATION

Association of Computer Engineering Students (ACEs)

STI College Ortigas-Cainta

Multimedia Officer

2024 – 2025

- Designed multimedia materials for org events; provided coverage for ACEs robotics, circuit, soldering, and Arduino workshops.

Member

2024 – Present

CERTIFICATIONS & TRAINING

Onshape: Simulation, Drawings & Surfacing (Oct–Dec 2024) **Oracle:** Java Fundamentals (Jan 2023)

SEMINARS & WORKSHOPS

Project Manager for Computer Engineers (Oct 2025) ACES Robotics, Circuit, Soldering & Arduino Workshops (Jun 2024)