JOHN KENNETH NAVAL
COMPUTER ENGINEERING

Technological Institute of the Philippines (TIP) QC

Address: **815 Daang Bakal St., Brgy. Maly, San Mateo, Rizal**

Email Address: **navaljko@gmail.com**

Cellular No.: **+639167352370**

CAREER OBJECTIVE

To establish a career in engineering where I can demonstrate the learning outcomes of the Computer Engineering program of the Technological Institute of the Philippines (TIP), a program accredited by the US-based outcomes-oriented ABET (Accreditation Board for Engineering and Technology), Computing Accreditation Commission.

DESIGN PROJECT COMPLETED/ RESEARCH

Automated Drying Machine for Cacao Beans (2018)
Technological Institute of the Philippines, Quezon City, Design Project – Developed an award-winning "Automated Drying Machine for Cacao Beans" which received a Silver Merit Award at the 27th Computer Engineering Design Project Exhibit. A system that will increase 50% efficiency of drying the cacao beans, it includes a Functional Prototype and an Android application for real-time temperature monitoring.
Other Research Completed:

- Water Level Indicator via Ultrasonic Sensor for Cylindrical Water Container (Design of Embedded System 1)
- Heart-Rate Monitoring System (Design of Embedded System 2)
- Joystick Controlled Surveillance Cam (Design of Embedded System 3)
- Density-Based 4 Way Traffic Signal Control Using Arduino (Advanced Logic Circuits)
- DAM Monitoring System with Flask Web Application (Operating Systems)
- Wireless Notice Board System using Arduino (Software Engineering)

KNOWLEDGE, SKILLS, AND ATTITUDE

Having graduated from TIP with its orientation towards outcome-based education, I have acquired and can demonstrate the following student acquire outcomes (knowledge, skills, and attitudes) necessary to the practice of the computer engineering profession:

- Analyze complex problems and identify and define the computing requirements appropriate for solution.
- Use the techniques, skills, and modern engineering tools necessary for engineering practice in complex engineering activities.
- Understand professional, ethical, legal, security and social issues and responsibilities relevant to professional computing.
- Knowledge in documenting features, technical specifications, and infrastructure requirements.

OTHER SKILLS

- Knowledge in Designing, Testing, and Development of Embedded System Product.
- **Programming Languages**: C/C++, Python, Arduino and Java.
- **Web Development**: HTML5, CSS and JavaScript.
  Experience with Version Control Git/GitHub and Database Management System such as SQL and MySQL.
- **Operating Systems:** Windows 10/11, Ubuntu and MacOS.
- Proficient in Microsoft/Office 365 and Adobe Photoshop.
- Experience with Active Directory, Remote Support, Network Monitoring/Management.
- Skilled Acquired through Cisco Networking Academy: Knowledge on principles of WAN/LAN and TCP/IP, Design and apply subnet masks in IPv4 and IPv6 networks, VLAN management and Network Security, including hands-on handling of Cisco Switch, HUB and Routers.

EXPERIENCE/ ON-THE-JOB TRAINING/ INTERNSHIP EXPERIENCE

- **IT Desktop Support Engineer**
  RJ Globus Solutions Inc. (Datamatics)
  3rd Floor, Tower 1, Rockwell Business Center Ortigas Ave,
  Pasig City, 1600 Metro Manila, Philippines
  July 2017 - September 2017
    - Network/Hardware Troubleshooting – Hands-on experience gained during the internship sharpened proficiency in troubleshooting computer-related issues, encompassing network connectivity challenges and software conflicts.
    - Software/Hardware Deployment – Participated in software deployment projects, including testing, installation, and configuration of software packages across desktop systems, ensuring compatibility and compliance with organizational policies.
    - Remote Support – Acquired skills in providing remote assistance to users, diagnosing issues, and implementing solutions using remote desktop tools and troubleshooting utilities.
    - Assisted in the management and maintenance of the Active Directory environment, including user account creation, deletion, and modification.

- Freelance IT Specialist | *2018 – Present*
    - Build and customize desktop computers for clients, ensuring optimal performance, and install a variety of software applications, providing troubleshooting as needed for smooth operation.
    - Implement CCTV systems, including camera placement, wiring, and network setup, to provide clients with robust and reliable security solutions.
    - **Project Accomplished:** Papaya Academy Inc. Computer Room Setup and School Network Configuration.
      Kasiglahan Village, Rodriguez, Rizal
      August 2022 – Present
        - Deployed and installed desktop computers, ensuring all systems were correctly configured and fully operational.
        - Configured and set up a computer networks, including routers, switches, and wireless access points, ensuring secure and efficient network operations.
        - Documented network configurations and setup processes for future reference and troubleshooting.
        - Performed annual replacement and maintenance of desktop computers which included replacing older machines with the latest devices, ensuring the operational efficiency and up-to-date status of all systems.
    - Graphic Designer/Web Developer (Front-End) | *2020 – Present*
        - Website Development: Design and code web pages for several businesses in various industries, including personal webpages and online shopping.
        - Specialize in photographing racing pigeons with a focus on capturing detailed images that highlight their unique eyes and natural beauty, enhancing their market appeal.
        - Edit and enhance photos using Adobe Photoshop to highlight subject matter and create visually appealing images.
        - Provide custom graphic design services to clients, including digital art, photo editing, and layout design.

SEMINARS AND TRAININGS ATTENDED

- Artificial Intelligence
  Technological Institute of the Philippines - Quezon City
  February 20, 2017

- Internet of Things: Smart City
  Technological Institute of the Philippines - Quezon City
  February 20, 2017

- Internet of Things: Unleashing the Power of IoT Devices
  Bulwagang Balagtas, NALLRC,
  Polytechnic University of the Philippines
  February 04, 2017

- Project Management
  Technological Institute of the Philippines - Quezon City
  March 11, 2017

- The Road to Cisco Certified Internetwork Expert
  Technological Institute of the Philippines - Quezon City
  February 20, 2016

- Computer Vision: Theory and Application
  Technological Institute of the Philippines - Quezon City
  December 13, 2016

REFERENCES

Alyssa Beatriz Salvador
Security Delivery Senior Analyst
Accenture Inc.
0975 171 1417

Megan Pantaleon
Security Engineer
Thrive Network Inc.
09670496775