

Timmy Le

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<https://timmyle9.github.io/portfolio/>

Columbus, OH

TECHNICAL SKILLS

- Full Stack: Python, C and C++, Java, PHP, Node.js, Django, SQL, Swift, HTML, CSS, JavaScript, React, API
- Technologies/Frameworks: Git, Visual Code Studio, VBA, AWS, MATLAB, SolidWorks, Assembly, VHDL, Linux, JSON, MacOS, Windows, PowerShell, Microsoft Office, Arduino
- Network: ANSI/TIA-568 Cabling, LAN/WAN, VLAN, CISCO, Azure, VMWare, VPN, TCP/IP, DHCP, Mesh Routers, Switches, Firewall, QoS, Layer 2/3 Troubleshooting, Network Protocols, RJ45 Cat6 Ethernet Wiring, UPS
- Electrical: Microcontroller, PCB, Schematic Design/Capture, PLC, Power Distribution

PROJECTS

Invoice Generator VBA | Excel, VBA, Macros | WDP Express LLC Feb 2024 – Apr 2024

- Created an invoice and tracker spreadsheet using **Excel** to support and combine 4 different restaurant inventories.
- Utilized the Visual Based for Applications (**VBA**) to develop **macros** to generate an invoice and export it as a PDF.
- Reduced work time by **85%** to calculate, keep records of, and generate invoices after implementing this spreadsheet.

Network Attached Storage (NAS) | UPS, Azure | WDP Express LLC Dec 2023 – Jan 2024

- Implemented **NAS** system to the company to increase collaboration and productivity by **35%** and reduce data transfer time.
- Utilized Uninterrupted Power Supply (**UPS**) to ensure **80%** runtime for the system in case of outage or server disruption.
- Utilized **Azure** as a main service of access to the server through local and remote connection.

Card Processor Network | Firewall, CISCO, LAN, DHCP | WDP Express LLC Nov 2023 – Dec 2023

- Deployed **CISCO Firewall** to secure card payments processing done over a **VPN** and ensuring no data corruption.
- Incorporated **LAN** and **DHCP** to restrict certain devices can only be accessed to the same network as the card machine.

Network Router and Switch | TCP/IP, Mesh Router, Switch, QoS | WDP Express LLC Sept 2023 – Nov 2023

- Utilized **ANSI/TIA-568 Cabling** and connected **RJ45 Cat6** ethernet to the company's infrastructure to improve stability.
- Implemented a **Network Switch** to connect all cables and set up a **Mesh Router** access point as a secondary source.
- Incorporated **Layer 2/3 Troubleshooting** to pinpoint specific nodes to ensure each IP address is connected properly.

Point of Sale System | C, HTML, CSS, API | Paris Banh Mi LLC Jan 2023 – Sept 2023

- Incorporated **C Language** and **Excel** to implement a Point of Sale (**POS**) system for multiple restaurants establishments.
- Integrated POS to a website using **HTML** and **CSS** for customers to access online and have it to be updated in real time.
- Utilized **API** to allow customers to purchase items through the website and link the payment to the POS.

Touch Screen pH Sensor | Microcontroller, Arduino, PCB, Power Distribution Aug 2022 – Dec 2022

- Utilized **Microcontroller MSP430** and **Arduino** to develop a solar power touchscreen pH Sensor.
- Developed Printed Circuit Board (**PCB**) to connect a pH sensor with the microcontroller and become more compact.
- Incorporated a solar panel as a power supply and monitored the power distribution to avoid any shortage of currents.

EXPERIENCES

Network Engineer | WDP Express LLC – Dayton, OH Aug 2023 – April 2024

- Projects: **Invoice Generator VBA**, **Network Attached Storage**, **Card Processor Network**, **Network Router and Switch**.
- Set up a Network System for the company using mesh routers and switches along with a private card processing network.
- Utilized CISCO Firewall to ensure a safe connection to avoid malware and cyber security attacks.

General Manager | Paris Banh Mi Columbus LLC – Dublin, OH Sept 2022 – Dec 2023

- Projects: **Point of Sale System**
- Involved in business decision making and established structure for multiple business handling.

EDUCATION

Bachelor of Science in Computer and Electrical Engineer

Dec 2023

The Ohio State University