Skills & Abilities

Programming: Assembly, C++, HTML, Java, MATLAB, Verilog, C

Circuit Board: Engineering to Print to Fabrication

Machine: PCB (Prototype Circuit Board) Printer

Servers: WAMP and LAMP

Software: Eagle, LTspice, ISOPro, Multisim, Netbeans, Eclipse, Mars, Quartus II, and Microsoft Office

Inspection/Testing: multimeters, oscilloscopes, function generators, and more

* Public Speaking

Education

Miami University

**Oxford, OH**

Bachelor of Science in Engineering (Computer Engineering) May 2018

ExperiencE

## ENGINEERING TO PRINT TO FABRICATION (SENIOR DESIGN PROJECT) OXFORD, OH

## *PCB Creation Project, August 2016 – January 2017*

* Engineering: daughterboard to connect 4 ultra-sonic sensors
* Print/Design: spatially efficient design
* Fabrication: prototype voltage amplifier that increased battery efficiency
* Inspection/Testing: oscilloscope, multimeter, function generator, and power supply
* LEAN: reduced development time, cost, and wiring

**SUPPLY CHAIN MANAGEMENT (SENIOR DESIGN PROJECT)** **OXFORD, OH**

Hospital Supply Chain Management, January 2014 – January 2015

* Developed: supply chain management system for specific surgical rooms
* Programmed: stochastic modeling, algorithms, and queuing theory via MATLAB
* Developed: iPhone application for physicians to view optimal scheduling data
* Developed: created a LAMP server to run the programs and scripts
* Outcome: reduced down-time in surgical suite, minimized physician delays, and optimized surgical time
* LEAN: reduced overhead costs of surgical rooms by optimizing scheduling

**PAko Inc.**

**mENTOR, oh**

## *IT 2012 – 2015, (Extended Internship) July 2017 – January 2018*

Developed: a secure portal website for upload/download of proprietary blueprints and specs

Training: conducted portal and file sharing training for IT and Engineering Departments

Server: installed and management of WAMP server system; developed scripts and cron jobs

Constructed: 15 high-end computers for aero-engineering department

**Mac & Joes**

## Oxford, oh

## *Manager/Server, August 2014 – July 2017*

* Sales: reconciling receipts, customer service, and hospitality
* Manage: employee workflow, calculate daily sales, customer satisfaction
* Training: high customer service standards, health codes, and point of sale systems

Leadership

camp Pristava

Harpersfield, OH

*Head Counselor, January 2013 – August 2014*

* Lead: organized, planned, marketed, budgeted, and managed 28 counselors as well as oversaw 80+ campers ages five-seventeen
* Public Speaking: investors/board, parents, and campers
* Developed and Implemented: website and social marketing