Jonathan Kosir

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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