# Nicholas J. Snyder

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**EDUCATION**

**University of Southern Indiana**
Evansville, IN
Major:  Engineering (Emphasis on Electrical)
Graduated:  May 2016
Current GPA:  3.55/4.0

**Ivy Tech Community College**
Evansville, IN
Major:  Pre-Engineering
Graduated:  Fall 2014
GPA:  3.8/4.0

**Skills**

JavaScript
SQL (MSSQL & MySQL)
CSS3
HTML5
Node-Red
Python
IoT Cloud (Azure & IBM)
Linux OS (Debian)

React.js
Flask
Serverless Applications (Azure)
PLC Programing
HMI Programming
VFD Programming
AutoCAD/Electrical
Field Service

**RELATED WORK EXPERIENCE**

### Air Hydro Power Inc, Louisville, KY                          *March 2020 to Present*
*Product Specialist*
Distribution company that designed and/or sold automation systems and products
Significant Accomplishments:
- Supported sales team with technical expertise in factory automation, by going on sales calls
- Developed software for a IIoT project to send barcode data to Azure
- Charged with supporting Mitsubishi Products and Sales throughout the state of Kentucky
- Troubleshot systems and products to keep the customers lines running efficiently
- Lead monthly meeting with Mitsubishi to update them on target accounts

### American Fuji Seal Inc, Louisville, KY                          *July 2019 to March 2020*
*Controls Engineer*
Packaging Company which builds machines to apply shrink and pressure sensitive labels to consumer products
Significant Accomplishments:
- Installed new machines usually with a group of at least 2 Field Service Engineers
- Upgraded older machines by replacing obsolete parts with a new system
- Troubleshot Servo Motors, Safety Circuits, VFDs, Program errors, Sensors and Electrical Circuits
- Managed Issue Management by determining if defective components were covered under warranty
- Setup Line Controls for machines, working with conveyor integration engineers
- Created Software using Python3 and wxpython for desktop application to retrieve parameters from a PLC

### Kaman Fluid Power, Louisville, KY                          *May 2017 to July 2019*
*Electrical Systems Engineer*
Distribution company that designed and/or sold hydraulic motion packages and products
Significant Accomplishments:
- Designed and developed motion control systems for Hydraulic/Electromechanical machinery
- Involved in a IIoT innovative group including engineers, marketing managers, and the V.P. of engineering
- Developed software using Python3 and JavaScript to send data to both Azure and IBM clouds
- Created and revised drawings using AutoCAD Electrical on projects
- Developed Software for Special Projects, including a RESTful Interface and a String Parser
- Implemented SCADA software to log data into SQL databases, including MySQL and MSSQL

- Managed Electro-Mechanical Sales for the entire state of Kentucky
- Performed troubleshooting for systems and products to keep the customers lines running efficiently

## Supreme Integrated Technology Inc., Harahan, LA      May 2015 to May 2017
***Electrical Controls Engineer***
Manufacturing company in the design, fabrication, and testing of hydraulic power systems
Significant Accomplishments:
- Designed and tested Hydraulic motion control systems for the military, oil and gas industry, and the state
- Participated in design meetings time constrained projects
- Performed service on electrical systems for Navy ships and state funded draw bridge
- Researched EMI/RFI, Military Standards and Testing Procedures

## Project Associates Inc, Evansville, IN      Nov 2015 to May 2015
***Systems Engineering Intern***
Engineering firm in the design and programming of automation equipment
Significant Accomplishments:
- Updated drawings and HMI programs for Toyota and Hersey's
- Upgraded a conveyor line in Toyota over factory shutdown