

# Matthew Massom

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## Objective

Seeking full-time employment with vast opportunities to grow professional, interpersonal, and intrapersonal skills.

## Education

### **Purdue University Northwest**

B.S. Computer Engineering / Minor – Computer Science  
B.S. Electrical Engineering

Hammond, Indiana  
*Graduating: Fall 2019*  
*Graduating: Spring 2020*

### **Indiana University Purdue University Fort Wayne**

Major - Electrical Engineering

Fort Wayne, Indiana  
*Transferred: May 2016*

## Employment History

### **Sullair, LLC**

Embedded Controls Engineer – Intern

Michigan City, Indiana  
*January 2019 – August 2019*

- Oversaw characteristic pinout of Renesas S7G2 motor controller for future use on new control board
- Created, designed and completed PCB for third party LCD use on S7G2 development board using KiCad
- Automated data importation for commissioning table using Excel, VBA, and Python with OpenPyXL

Electrical Engineer – Intern

*May 2018 – January 2019*

- Sought alternative component options and compiled them into spreadsheets for cost reduction analysis
- Troubleshoot and corrected harness design issues on machines using Cummins, Caterpillar, and Kubota engines
- Work directly with suppliers on multiple occasions to complete harness rework and correct design flaws

### **Dick's Sporting Goods**

Lodge/Firearms Sales Associate

Merrillville, Indiana  
*October 2014 – February 2019*

- Used product knowledge to work one on one with customers about various shotguns, rifles, and ammunition
- Kept a precise inventory on the make, model, and serial number of every firearm in the store
- Demonstrated patience, friendliness, initiative, teamwork, and salesmanship regularly

### **Smith Ready Mix**

Quality Control Intern

Valparaiso, Indiana  
*May 2017 – December 2017*

- Conducted quality control tests on concrete samples for large scale commercial jobs
- Tracked strength of concrete at set times to ensure that it was curing at or above the target rate
- Tested experimental concrete batches using different additives to create new mixes for various jobs

## Additional Skills and Experience

- Institute of Electrical and Electronics Engineers (IEEE) – Student Member
- Institute of Electrical and Electronics Engineers, Purdue Northwest Chapter (IEEE PNW) – Student Member
- Purdue Northwest Electric Vehicle Grand Prix: Autonomous – Team Leader
- Co-lead organizer for Sullair Intern's Annual Bags Tournament (2018 and 2019)
- *Familiar Software:* Altium, PSpice, Multisim, Microsoft Office, Visual Studio, Linux, and Git
- *Computer Languages:* C/C++, Python, Java, HTML/CSS, JavaScript, MATLAB, and SQL

**References provided upon request**