***Devon W. Thompson***

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**EDUCATION**

* *Michigan State University* – Electrical Engineering – GPA 3.32 *Grad. Date May 2020*
* Lyman Briggs College– Dean’s List – GPA 3.55  *Fall 2016-Spring 2017*
* Michigan State Honor’s College *Fall 2016-Present*

**WORK EXPERIENCE**

* **Aggressive Tooling Inc.** – Electrical & controls engineering *December 2017 - Present*
  + Programmed machines using RsLogix 5000, performed commissioning and troubleshooting on machines, designed electrical systems for various machines using AutoCAD Electrical, wired and created electrical panels for machines based on electrical prints, and created books for customers.
  + Created various templates to increase efficiency (in Excel and AutoCAD E) that are now implemented by the department and reduced time needed to order parts and organize them for each job.
* **Michigan State University** – Professorial Assistantship *Fall 2017 – Spring 2018*
  + Helped design a system that allowed users to control a small robot with their mind, using a headset outfitted with various sensors and a Bluetooth chip.
  + Researched applications of various microelectromechanical systems.
* **Fishbeck, Thompson, Carr, and Huber** – Electrical intern. *Spring 2017 –Fall 2017* 
  + Designed electrical layouts for buildings (such as Meijer), made lighting calculations (using the NEC), researched and used new products in designs, calculated cable and conduit size for jobs, created construction documents for customers, and met with customers to discuss project scope and design.
* **Michigan State University** – Professorial Assistant at the National Superconducting Cyclotron Laboratory *Fall 2016 – Spring 2017*
  + Repaired, tested, and made documentation for Low Energy Neutron Detection bars that had been damaged.
  + Assisted with laboratory wide particle accelerator experiments.

**SOFTWARE SKILLS**

* Programs: AutoCAD Electrical, Solidworks Electrical and 3D, Easy Power, AGI32, MATLAB, Pspice, Eagle, Keil IDE, Cadence Virtuoso, Revit, RsLogix5000, FactoryTalk View, Schmersal SafePLC2, and Microsoft office suite.
* Programming Languages: C, C++, CSS, Html, and VHDL
* Operating Systems: Windows, Raspbian, Kali Linux, Linux, and MacOS

**EXTRACURRICULAR PROJECTS**

* Raspberry Pi: Retro-Pi(gaming), Raspbian(contains various kinds of programming software), and Kali Linux(used for network probing))
* Custom PC building (Part finding, pricing, and assembling)