**Mitchell McClure**

Leo, IN 46765

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**Education**

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| Purdue University | Fort Wayne, IN |
| *Bachelor of Science in Electrical Engineering* | May 2020 |

* *Minor: Mathematics*
* Engineering elective courses include digital control systems, embedded microprocessors, and power electronics

**General Skills**

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| * Project management | * Leadership | * Team Player |
| * Problem Solving | * Communication | * Time Management |

**Computer/Technical Skills**

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| --- | --- | --- |
| Software | Programming | Other |
| * MS Word, Excel, Power Point | * C & C++ | * Knowledge of DoDAF |
| * Autodesk/AutoCAD | * LabVIEW | and ToGAF frameworks |
| * Navisworks | * MATLAB | * Signal analysis |

**Work Experience**

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| Regal Beloit | Fort Wayne, IN |
| *Engineering Intern* | January 2018-May 2019 & January-May 2020 |

* Read schematics to perform failure analysis
* Advance long-term project by compiling, analyzing and presenting performance data
* Cut transition time of two new interns by teaching necessary job skills and requirements
* Design methods to damp sounds and vibrations produced by motors

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| --- | --- |
| Shambaugh & Son | Fort Wayne, IN |
| *Electrical Design Intern* | Summer of 2019 |

* Design cable tray and conduit layout
* Create construction drawings in AutoCAD and Navisworks for field techs
* Performed logistical analysis to reduce company expenses by at least $380,000/year

**Design Experience**

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| --- | --- |
| *Servo-controlled laser pointer* | Present |

* Programmed an Arduino Uno to receive data from a Visual Studio program (written in C#) to control the horizontal and vertical position of a laser pointer
* Next steps include learning computer vision to have laser follow moving objects detected by a camera

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| --- | --- |
| *Automated test stand for fuel transfer pumps* | 2019-2020 |

* Designed a test stand that will measure flow rate, pressure, electrical current, and electrical voltage of a fuel pump
* Sourced parts according to desired specifications and budget
* Designed control program using LabVIEW

**Activities**

*Wrestling Coach*

*Student Senate*

**References available upon request**