

# Seth White

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## Summary

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Mechanical Engineer looking to switch to a more data driven and mathematically involved industry via a post graduate educational or training program. Possessing extensive scientific background, strong interpersonal and written communication skills, and extensive problem-solving experience. Able to work within a group or individually approach projects. Self-motivated, flexible, and detail oriented.

## Education

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Bachelor of Arts	December 2010
Calvin College	Grand Rapids, MI
Major : Physics	

Masters of Science	2021-2023
Grand Valley State University	Grand Rapids, MI
Data Science and Analytics	

## Experience

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Mechanical Engineer	Aug/2018-Present
Hooker DeJong Inc.	Grand Rapids, MI

- Developed energy models for different building types to varying degrees of accuracy. Overall energy efficiency analysis for LEED modeling, Energy analysis of different energy scenarios for LEED integrative process credits, Utility cost analysis for MSHDA apartment buildings. The first in the state of Michigan.
- Performed and provided trouble shooting, analysis, and engineering documents for various problems identified by Oakland County maintenance staff for Oakland County owned buildings. Including energy efficiency problems, HVAC issues and utility infrastructure for the Oakland County Campus of buildings.
- Developed HVAC and plumbing engineering construction documents for a variety of building types. Primarily focusing on Multi-Family apartment buildings, Office buildings and healthcare facilities

Mechanical Designer	Aug/2016-May/2018
Peter Basso Associates	Troy, MI

- Developed and designed HVAC and utility systems from schematic phase to construction documents. Interfaced with architects, clients and other engineers to create best engineered system for specific projects.
- Assisted in feasibility studies for different systems by providing, data analysis, written technical reports, technical descriptions of equipment and systems utilized, and projection of cost savings and rates based on current available data on utility and equipment cost.
- Systems designed and analyzed include airside systems, decentralized chilled water/hot water loops, micro-turbine electric/heat generators, and hot water and chilled water centralized heating systems.

Mechanical Designer/CAD Operator  
Engineering Plus Inc.

Nov/2014-Aug/2016  
Kalamazoo, MI

- HVAC system design for small offices and commercial buildings. Perform load calculations in Trane Trace to determine building BTU load. Asses design parameters to pick appropriate HVAC system to meet comfort requirements
- Utilize Auto CAD to draw HVAC construction documents with necessary systems and layouts as determined by myself or other engineers.

### **Honors and Activities**

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Local Recreational Hockey Leagues	2010-Present
Bass Player in Musical Group 3zeal	2010-2013
Started local youth group at Discovery Church in Kalamazoo	2016
Learning Spanish	2010-Present