

# Michel Domenella

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## Education

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<b>MS</b>	<b>Northwestern University</b> , Engineering Design Innovation	2025 – 2027
<b>BS</b>	<b>University of Notre Dame</b> , Mechanical Engineering	2019 – 2023

## Experience

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<b>Clippard</b> , New Product Development Engineer	Cincinnati, OH 2023 – 2025
<ul style="list-style-type: none"><li>Developed a RoHS 3 compliant oxygen mixing blender for use in the ventilator of an open care baby warmer.</li><li>Iterated and performed extensive testing on a long stroke pinch valve for use in an at home kidney hemodialysis machine.</li><li>Redesigned existing pinch valves to create a panel mount version to improve ease of use for customers and modernize the design.</li></ul>	
<b>Yaskawa</b> , Product Engineering Intern	Waukegan, IL May 2022 – Aug 2022
<ul style="list-style-type: none"><li>Designed and ran a long-term life cycle test to ensure the wafer handling robot met the life cycle product requirements.</li><li>Wrote MatLab script to automatically collect all relevant parameters for the long-term life cycle test as well as a GUI to interface with the script.</li><li>Verified that the robot arms held the wafers to a certain levelness as defined by the product requirements by measuring and mapping the robot arms in 3D.</li></ul>	
<b>Idea Center Innovation Lab</b> , Fabricator	Notre Dame, IN 2021 – 2023
<ul style="list-style-type: none"><li>Gained familiarity with rapid prototyping tools such as laser cutters and 3D printers.</li><li>Collaborated with local South Bend business owners to help support their new business ventures.</li></ul>	
<b>Paws Chicago/Save the Animals Foundation</b> , Volunteer	Chicago, IL November 2024 – Present
<ul style="list-style-type: none"><li>Clean out dog kennels</li><li>Socialize with dogs to prepare them to be adopted</li></ul>	

## Certifications

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<b>International Fluid Power Society</b>	June 2024
<ul style="list-style-type: none"><li>Pneumatic Specialist</li></ul>	
<b>Certified SolidWorks Associate</b>	June 2021
<ul style="list-style-type: none"><li>Mechanical Design</li></ul>	

## Skills

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**Hands On Skills:** Additive Manufacturing, Subtractive Manufacturing, Standard Lab Equipment

**Software and Coding Programs:** SolidWorks, CFD, C/C++, VBM, MatLab

**Soft Skills:** Clear and concise communication, organized documenting, flexibility and trust within a team