

# Michel Domenella

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## ABOUT ME

Hi! I am a product development engineer who has both industry and academic experience with all stages of the product design process - from ideation and prototyping to manufacturing and post-launch support. My experience with medical devices at Clippard has pushed me towards designing products which improve people's lives. If you have an opportunity for me where I can accomplish that I would love to chat!

## CERTIFICATIONS

**International Fluid Power Society**  
Pneumatic Specialist

June 2024

**Certified SolidWorks Associate**  
Mechanical Design

June 2021

## SKILLS

### Hands On Skills

- 3D Printing
- Subtractive Manufacturing
- Standard Lab Equipment

### Software and Coding Languages

- SolidWorks
- Luminary (CFD)
- MatLab
- Latex
- VBM
- C/C++

### Soft Skills

- Clear and concise communication
- Organized documenting
- Flexibility
- Dependability

## EDUCATION

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

## EXPERIENCE

<b>Clippard</b> , New Product Development Engineer	Jul 2023 - Jun 2025 Cincinnati, OH
<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 intended for 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	May 2022 - Aug 2022 Waukegan, IL
<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	Aug 2021 - May 2023 Notre Dame, IN
<ul style="list-style-type: none"><li>• Increased 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 via product ideation and marketing</li></ul>	
<b>Paws Chicago/Save the Animals Foundation</b> , Volunteer	Nov 2024 - Present Chicago, IL
<ul style="list-style-type: none"><li>• Socialize with dogs to prepare them for their new home</li><li>• Maintain the building and facilities to ensure smooth volunteer shifts</li></ul>	

