

Michael G. Gargasz

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EDUCATION

Bachelor of Science in Electrical and Computer Engineering (Computer Engineering)

Expected August 2020

The Ohio State University • Columbus, Ohio • 3.74 GPA

Minor: German

EXPERIENCE

Startup Co-Founder

NXTSTOR LLC, Columbus, OH

Oct 2016—Present

- Oversaw the development of a web application for the business in partnership with a Columbus-based development firm.
- Designed a temporary company website for the business while the web application was being built.
- Designed the company website to house the web application.
- Met with business advisors and potential investors to discuss business strategies and ways to move the business forward.
- Designed the company logo and branding.
- Met with potential clients on the supply and demand sides of the market.
- Facilitated a trial run of the service during the summer of 2017 to collect market research and feedback from customers.
- Met with insurance agents to discuss options of adding an insurance package for customers.
- Created and managed social media accounts for the business.
- Redesigning a new version of the website using a more efficient stack.

Engineering Intern – Chemical Plant Engineering Group

The Lincoln Electric Company, Euclid, OH

May 2018—Aug 2018

- Designed, implemented, programmed, and tested a new piece of machinery to assist production.
- Implemented and programmed new sensors on factory equipment to improve safety in the event of mechanical failure.
- Updated electrical schematics according to updates deployed on the factory floor.
- Became NFPA 79 certified to comply with new safety regulations (valid 2018-2021).
- Designed and implemented quality-of-life updates for factory workers and maintenance staff.
- Redesigned outdated safety equipment to comply with new standards.
- Programmed PLCs to control processes within the factory equipment.
- Attended design meetings to discuss schematic and component conventions.
- Reprogrammed HMI views to reflect new functionality added to machines.
- Troubleshoot and repaired issues with PLC or HMI programs.
- Purchased components to implement into new factory equipment.

Engineering Intern – Power Electronics Group

The Lincoln Electric Company, Euclid, OH

May 2017—Aug 2017

- Reverse engineered high-efficiency power supplies and modeled the circuit topology of the power delivery systems.
- Calculated power loss estimations within high efficiency power supply circuitry.
- Tested the stability of power circuitry using a frequency response analyzer.
- Designed and fabricated circuitry that was installed into testing apparatus within the factory.
- Assisted an engineer with supply chain issues on the production floor.
- Assisted with initial testing of next-generation products.
- Conducted experiments to assess improvements on existing designs.
- Tested power analysis equipment and determined its worth to the company.
- Wrote and presented reports to engineers and management staff.
- Set up and attended meetings between engineers and management staff from different departments.
- Learned about the advantages of Kaizen, Kanban, and Six Sigma manufacturing processes.

SKILLS

Proficient: HTML, CSS, C/C++, Java, Adobe Photoshop, Adobe Lightroom, Microsoft Office Suite, Sketch

Basic: MATLAB, RSLogix, AutoCAD Electrical, Adobe Illustrator, Adobe Premiere Pro

Learning: Python, Javascript, VHDL

HONORS

- Officer of Tau Beta Pi – Ohio Gamma Chapter
- Ohio State University College of Engineering Dean's List
- Ohio State Business Builder's Club IdeaPitch – 2nd Place
- Ohio State University Honors College
- Cleveland Engineering Society Scholarship Recipient

March 2018 - Present

Jan 2016 - Present

Nov 2016

Aug 2016 - Present

May 2016