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
- **Relevant Coursework**: Software Design Principles, Discrete Mathematics and Structures, Statistics, Computer Architecture, Linux Programming, Digital Design, Embedded Programming, Circuit Design and Analysis, Signals and Systems Analysis, Technical Communication, Ethics

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 and built company 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.
- Redesigning a new version of the website using more efficient technologies.

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- Redesigned outdated safety equipment to comply with new standards.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.
- Reprogrammed HMI views to reflect new functionality added to machines.
- Troubleshot 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 circuity 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.
- 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 & PROFICENCIES

Proficient: HTML, CSS, C/C++, Java, Adobe Photoshop, Adobe Lightroom, Microsoft Office Suite, Sketch
Basic: Python, MATLAB, Assembly, AutoCAD Electrical, Adobe Illustrator, Adobe Premiere Pro
Learning: Javascript/TypeScript, Sass, VHDL

SCHOLARSHIPS & HONORS

- Officer of Tau Beta Pi – Ohio Gamma Chapter **March 2018 - Present**
- Ohio State University College of Engineering Dean's List **Jan 2016 - Present**
- Ohio State Business Builder's Club IdeaPitch – 2nd Place **Nov 2016**
- Ohio State University Honors College **Aug 2016 - Present**
- Cleveland Engineering Society Scholarship Recipient **May 2016**