Michael G. Gargasz

2993 Neil Ave, Apt. #60B, Columbus, OH, 43202 • 440-787-4552 • gargasz.13@osu.edu • in/mgargasz • gargasz.me

EDUCATION

B.S. Electrical and Computer Engineering with Honors | Minor: German   **Expected August 2020**
- The Ohio State University | Columbus, Ohio | 3.80 GPA
- **Relevant Coursework**: Software Design Principles, Discrete Mathematics and Structures, Statistics, Computer Architecture, Linux Programming, Digital Design, Embedded Programming, Parallel/High Efficiency Computing, Circuit Design and Analysis, Signals and Systems Analysis, Technical Communication, Ethics

Goethe-Zertifikat C1   **Expected June 2020**
- Goethe Institut Dresden | Dresden, Germany

EXPERIENCE

Startup Co-Founder | NXTSTOR, Inc. | Columbus, OH   **Oct 2016—Present**
- Designed and built company web application.
- Interacted with business advisors and potential investors to discuss business and marketing strategies.
- 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.
- Redesigned a new version of the website using more efficient technologies.

Software Engineering Intern | CAS | Columbus, OH   **May 2019—Aug 2019**
- Developed software to analyze product usage data with a proprietary database structure.
- Constructed several continuous deployment pipelines for product updates.
- Created data visualizations through a Jupyer web application.
- Collected and explored raw data to create standardized, structured content.
- Decomposed epic-level assignments into stories without the assistance of a product owner.
- Utilized Agile process philosophy to divide and assign daily tasks.

Undergraduate Teaching Assistant | OSU CSE Department | Columbus, OH   **May 2019—July 2019**
- Facilitated weekly office hours to assist students with assignments and course questions.
- Graded student homework and project submissions without the use of a key.
- Self-reported working hours on a bi-weekly basis.

Chemical Plant Engineering Intern | 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 in accordance with updates deployed on the factory floor.
- Became NFPA 79 certified to comply with new safety regulations (valid 2018-2021).
- Redesigned outdated safety equipment to comply with new standards.
- Programmed PLCs to control processes within the factory equipment.

Power Electronics Research Intern | 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.
- Assessed the stability of power circuity using a frequency response analyzer.
- Designed and fabricated circuitry that was installed into testing apparatus within the factory.
- Authored and presented reports to engineers and management staff.
- Utilized Kaizen, Kanban, and 6σ process philosophies to divide and assign daily tasks.

SKILLS & INTERESTS

HTML, CSS, JavaScript/TypeScript (Angular), Sass, C/C++, Java, Python, Swift, Scala, MATLAB, Assembly, VHDL, Jenkins, Jupyter, Adobe Photoshop, Adobe Lightroom, Final Cut Pro X, Sketch, Microsoft Office Suite, AutoCAD Electrical

Home Automation/IoT, Photography, College Football, Fountain Pens, Sneakers

HONORS & EXTRACIRRICULARS

- Officer of IEEE-Eta Kappa Nu   **March 2019 - Present**
- Officer of Tau Beta Pi – Ohio Gamma Chapter   **March 2018 - Present**
- Member of Ohio State German Club   **Aug 2018 – Present**
- Ohio State University First Year Design Project *Most Innovative Design*   **April 2017**
- Ohio State University College of Engineering Dean's List   **Jan 2016 - Present**
- Ohio State Business Builder's Club IdeaPitch Competition– 2nd Place   **Nov 2016**
- Ohio State University Honors College   **Aug 2016 - Present**