MICHAEL WILLIAM TERRY

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EDUCATION

University of Illinois at Urbana-Champaign Graduation: **May 2025**
Bachelor of Science in Mechanical Engineering, Minor in Computer Science – James Scholars Honors Program GPA: 4.00
Awards: Phi Kappa Phi Honor Society, Tau Beta Pi Engineering Honor Society, Pi Tau Sigma Mechanical Engineering Honor Society

WORK EXPERIENCE

Google - Datacenter Automation Systems **Seattle, WA**
Hardware Engineering Intern ***May 2024 - Present***

- Designed and assembled fixed work-cell environment for testing on container used for Google's automation; created fiducials and wrote 15 Fanuc programs for testing
- Created 4 computer vision programs which identify fiducial to 100% success rate; tested 800+ times to identify failure modes
- Cycle tested work-cell environment 2,000+ times, gathered data on potential wear and tear of components
- Completed ESD testing on Google datacenter hardware and made recommendations for improvements based on results

Kroll - Investment Banking **Chicago, IL**
Mergers & Acquisitions Intern ***June - July 2022***

- Used Capital IQ to prepare precedent transaction analysis and comparable company analysis for sell-side clients
- Compiled master list of 2,500+ recent acquisitions to expedite information lookup, removing duplicates and normalizing entries
- Identified discrepancies between current employee information and outdated org-chart and made corrections accordingly

ProAmpac - Flexible Packaging Solutions **Cary, IL**
Engineering/Continuous Improvement Intern ***May - August 2023***

- Utilized Fusion 360 skillset to create proof-of-concept protypes of parts to increase operator safety on lamination machines
- Developed and implemented visual management boards to track productivity, safety, cost, maintenance, and quality at slitting, lamination, pouching, and press machines

Northwestern University - Mirkin Group **Evanston, IL**
Nanotechnology Research Intern ***June - September 2020***

- Created list of 167 potential assay kits for protein spherical nucleic acid model based on analyte, readout, and cell permeability
- Conceptually developed 5 live cell assays for intracellular measurement of butyrate, glycine, malate, lysine, and thiamine
- Received *International Institute for Nanotechnology Outstanding Researcher Award* for contributions to research in nanotech

PROJECTS

Design for Manufacturability Rube Goldberg Machine ***October - December 2022***

- Designed Rube Goldberg machine to navigate marble through 12 steps of distinct motion (linear, rotary, airborne, etc.) and successfully turn on lightbulb
- Conducted DOE testing procedures for airborne step to increase accuracy to 100%
- Modeled and 3D printed prototypes and utilized Design for Assembly for final product

Intro to Computer Science Machine Learning Stock Project ***February - April 2022***

- Utilized Beautiful Soup to parse CNBC article links for title and text, used NLP to denote an index to article
- Implemented machine learning algorithm to accurately predict stock behavior based on article index

Principles of Engineering "Big Project" ***February - June 2019***

- Selected to lead whole class "Vex Robotics automatic s'mores maker" project, managed 22 students for entire semester
- Organized students into groups; created and assigned subtasks based on areas of expertise
- Scheduled weekly check-ins to identify blockers and assisted students accordingly

SKILLS & CERTIFICATIONS

CAD/Software: Python, C++, SolidWorks, Autodesk Fusion 360, Arduino, FANUC teach pendant, FANUC iRVision
Languages: Conversational Spanish

LEADERSHIP & INVOLVEMENT

Zeta Beta Tau Fraternity | Vice President, Academic Chair, Standards Board, Rush Chair ***September 2021 - Present***
Illini Formula Electric | Drivetrain Sub Team ***November 2022 - Present***
Joe's Brewery | Head Chef ***February 2022 - Present***