

MICHAEL WILLIAM TERRY

mw-terry.com | terrywilliam1144@gmail.com | (847)-345-6634 | www.linkedin.com/in/michaelwterry

EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Mechanical Engineering, Minor in Computer Science - James Scholars Honors Program

Awards: Bronze Tablet, Phi Kappa Phi, Tau Beta Pi, Pi Tau Sigma, 8x Dean's List

Graduated: **May 2025**

GPA: 4.00

WORK EXPERIENCE

Google - Datacenter Automation Systems

Hardware Engineering Intern

Seattle, WA

May - August 2024

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

ProAmpac - Flexible Packaging Solutions

Engineering/Continuous Improvement Intern

Cary, IL

May - August 2023

- Utilized Fusion 360 to create proof-of-concept prototypes 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

Kroll - Investment Banking

Mergers & Acquisitions Intern

Chicago, IL

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- Identified discrepancies between current employee information and outdated org chart and made corrections accordingly

Northwestern University - Mirkin Group

Nanotechnology Research Intern

Evanston, IL

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 a 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 assign an index to each 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

SKILLS & CERTIFICATIONS

CAD/Software: Python, C++, SolidWorks, Autodesk Fusion 360, Arduino, FANUC teach pendant, FANUC iRVision, NumPy, Excel

Languages: Conversational Spanish

LEADERSHIP & INVOLVEMENT

Zeta Beta Tau Fraternity | Vice President, Academic Chair, Standards Board, Rush Chair

September 2021 - May 2025

Joe's Brewery | Kitchen Manager

February 2022 - May 2025

Ewoldt Research Group | Volunteer Student Researcher

September 2024 - May 2025

Illini Formula Electric | Drivetrain Subteam

November 2022 - December 2023