**Nathanael Mertz**

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**EDUCATION**

**University of Notre Dame** Notre Dame, IN

Master of Science in Engineering, Science, and Technology Entrepreneurship (ESTEEM) May 2026 (anticipated)

**Wabash College** Crawfordsville, IN

B.A. Biochemistry, Minor in Biology and Religion May 2024

GPA: 3.52

Honors: Eli Lilly Scholar (full tuition & housing), Youth on Course & Samsung American Legion Scholarships

Study Abroad: Harlaxton College, England – Economic Effect of Brexit on the European Union

Rome, Italy – Early Christianity, Explored Christianity in its historical and cultural Roman context

**HIGHLIGHTED PROFESSIONAL EXPERIENCE**

**CoastSouthwest** Arlington, Texas

*Graduate Student Consultant* August 2025– Present

* Analyzed six key competitors to assess market positioning and inform a go-to-market strategy for a new chemical product line
* Engaged with eight potential suppliers to compare pricing and capabilities, recommending the optimal sourcing partner to maximize cost efficiency and supply reliability

**North American Language and Culture Assistant Program** Gandia, Spain

*Spanish Teaching Assistant* October 2024– May 2025

* Instructed six classes of roughly 20 Spanish public elementary school students in English, integrating immersive and innovative techniques to build low-income students’ English language proficiency.
* Navigated cross-cultural communication and adapted curriculum to maximize educational outcomes.

**LOCKR Lab Research** Crawfordsville, IN

*Undergraduate Research*  August 2023 – January 2024

* Contributed to a $470K NSF-funded project using LOCKR protein switch technology in C. elegans.
* Engineered and purified PS-LOCKR toehold variant proteins using multi-strategy restriction digests, Gibson Assembly, and nickel affinity chromatography.
* Conducted protein concentration, dye-labeling, and validation resulting in repeatable conclusions

**MSI Helicopters** Albuquerque, NM

*Operations Assistant*  May 2018 - October 2022

* Supported inventory and administrative operations in a $5M+ aerospace business, improving part tracking accuracy by 30% through meticulous data entry and organization.
* Collaborated with leadership to resolve logistical issues, resulting in a 15% reduction in turnaround time.
* Assisted in maintaining FAA compliance records and aircraft service logs for a fleet of 10+ helicopters.

**LEADERSHIP POSTIONS**

**Classical Liberalism in Politics & Economics Seminar**, Prague, Czech Republic June 2024

**Wabash LEAD**, Leadership Development Program Member October 2022 – May 2023

**Beta Theta Pi**, Scholarship Chairman, Wabash College August 2022 – May 2024

**Wabash Interfraternity Council**, Vice President, Wabash August 2022 – May 2023

**Boys and Girls Club of Crawfordsville**, Lead Youth Soccer Coach August 2022−February 2023

**Wabash Student Senate**, Vice Chairman of Environmental Concerns Committee August 2021 – May 2022

**TECHNICAL SKILLS**

Highly proficient in Word, Excel, PowerPoint, Outlook, Google Suite; Proficient in Tableau & QuickBooks

**INTERESTS:** Golf · Spanish language & culture · Solo backpacked 205 miles on the *Camino de Santiago*

American & European History · Global Travel (toured 17 countries) · Health & Fitness (running & calisthenics)