

Tommy Frye

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CAREER SUMMARY

- Diversified engineering and business student-athlete with a commitment to building relationships
- Personable self-starter with an attention to detail, a growth mindset, and a results-oriented approach
- Skills include: written and verbal communication, project management, problem-solving, Microsoft Excel, AutoCAD and Autodesk Inventor

EDUCATION

Miami University, Oxford, OH

Expected Graduation December 2025

Bachelor of Science in Mechanical Engineering with a Paper engineering Minor and General Business Minor

Academic Recognition: Dean's List (Fall 2021- Present), University Honors College, **3.74 GPA**

Involvement: Professional Development Committee | Theta Tau Engineering Fraternity (January 2023-Present)

INTERCOLLEGIATE ATHLETICS

Miami University Division I Men's Swimming and Diving (Fall 2021- Present)

- Spent 30+ hours weekly training, traveling, and participating in meets while maintaining a full course load
- Spearheaded recruiting by showing recruits around campus and classes in their prospective majors
- Collaborated with 4 coaches and 30+ teammates to contribute to a conference championship

WORK EXPERIENCE

- **Swim Coach** // Northstone CC– Huntersville, NC

May 2022 – August 2

Worked among a team of coaches to develop training plans and brainstorm new ideas. Took leadership over a group of athletes to encourage and ensure quality work ethics. Developed quick thinking skills to make immediate adjustments in practices to maximize efficacy for the collective group and individual athletes.

- **Tutor** // William Amos Hough High School – Cornelius, NC

August 2020 – June 2021

Collaborated with students to complete assignments and identify lagging skills. Motivated students towards learning and studying to build self-confidence. Supported students with helpful study habits and exam strategies.

RELEVANT COURSEWORK

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|---|------------------------|------------------|
| - Materials and Mechanics of Materials | - Design and Modeling | - Chemistry I |
| - Physics I, II | - Statics | - Thermodynamics |
| - Calculus I, II, III | - Micro/Macroeconomics | |
| - Differential Equations and Linear Algebra | - Management | |

PROJECTS

Grand Challenges Project – Intro to the College of Engineering and Computing

Fall 2021

- Worked in a team of five students to complete research and propose a new approach to solar panels that would increase their efficiency and prevalence of the energy sector. Presented revitalization plan to an audience of professors and classmates

Design Project Competition – Intro to Mechanical and Manufacturing Engineering

Spring 2022

- Worked in a team of three students to complete research on patents and design ideas related to gliders
- Created drawings and 3D computer models illustrating the desired specifications of the glider
- Fabricated the designed glider using foam board, wooden dowels, and clay and tested the finished product

Medical Dialysis Pump design competition – Design and modeling

Fall 2022

- Designed and adapted a AutoDesk inventor design for a new dialysis pump that is both cost effective and efficient to complete dialysis