

# Tyler Hayes

Charlotte, NC | (336) 909-8810 | tylerhayesengineer@gmail.com | tylerhayesengineering.com

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## **EDUCATION**

*University of North Carolina at Charlotte, Charlotte, NC.* May 2025

Bachelor of Science in Mechanical Engineering

*University of North Carolina at Charlotte, Charlotte, NC.* May 2026

Master of Science in Mechanical Engineering

Concentration in Metrology and Manufacturing

## **ENGINEERING EXPERIENCE**

**TRC Companies, Inc.** Huntersville, NC

*Power Distribution Intern* May 2024 - August 2024

- Collected data on distribution poles in the field
- Created plans to attach new communication cables to distribution poles in SpidaCALC
- Designed underground routes for fiber optic cables
- Shadowed power design engineers to learn how to design poles according to Duke Energy specifications

**MEGR-2156 Sophomore Design, UNC Charlotte, Charlotte, NC**

*Teaching Assistant* August 2023 - Current

- Assisted students with their work over virtual office hours
- Graded student-submitted design portfolios
- Assisted the professor in creating new assignments
- Further enhanced my own knowledge of the engineering design process, CAD modeling, and solid mechanics principles

**ETGR-1101 Intro to Engineering Technology & Construction Management, UNC Charlotte, Charlotte, NC**

*Teaching Assistant* August 2022 - December 2022

- Assisted students with their work both in class and over virtual office hours
- Graded various engineering assignments submitted by students
- Provided advice to students about their majors
- Further enhanced my own knowledge of basic engineering design principles and equations

## **SKILLS**

- My Portfolio: <https://tylerhayesengineering.com/portfolio>
- Proficient in CAD packages such as Creo, Fusion 360, and OnShape
- Proficient in C# programming