AIDAN STOKES

Charlotte, NC | (512) 552 9575 | aidan@sphnx.net | www.linkedin.com/in/aidan-stokes

EDUCATION

The University of North Carolina at Charlotte — **Charlotte, North Carolina**
Bachelor of Science: Mechanical Engineering, Minor in Outdoor Adventure Leadership — *Aug 2023 – May 2027*
GPA 4.0, Chancellor's List

- **Relevant Coursework:** Introduction to Engineering Practices and Principles I and II, Engineering Mechanics I (Statics), Basic Electrical Engineering I, Calculus III, Differential Equations, Sophomore Design, Manufacturing Systems, Introduction to Solid Mechanics, Computational Methods (May '25), Thermodynamics I (May '25), Dynamic Systems I (May '25), Intro to Engineering Materials (May '25)
- **Scholarships:** College of Engineering Dean's Scholarship
- **Activities**: Charlotte Skyrise Ultimate Frisbee, Venture Outdoor Leadership (Caving, Climbing, White Water, Challenge Course)

Liberal Arts and Science Academy High School — **Austin, Texas**
Magnet-Endorsed High School Diploma | GPA 3.8/4.6 weighted — *Aug 2019– May 2023*

- **Relevant Classes:** Multivariable Calculus, Linear Algebra, Science and Technology, Engineering and Design
- **Activities**: National Honor Society, LASA Climbing Club, Vertikills Ultimate Frisbee

SKILLS & CERTIFICATIONS

Skills

- CAD Software: Moderately proficient with Creo, SolidWorks
- Moderately proficient with HTML/CSS

Certifications

- **NR EMT:** Certified Emergency Medical Technician under the National Registry
- **Wilderness Medicine:** Wilderness First Aid (Wilderness EMT, Aug. 2024)

PROFESSIONAL EXPERIENCE

Allegiance Mobile Health — **Austin, Texas**
EMT-B — *July 2024 – Current*

- Conducts short- and long-distance interfacility transfers throughout Texas
- Assesses, monitors, and cares for patients during transport
- Responsible for proper documentation and communication with other medical professionals

Venture Outdoor Leadership — **Charlotte, North Carolina**
Student Leader — *Jan 2024 – Current*

- Regularly facilitates experiential education for groups of adolescents and adults
- Builds and practices various competencies (e.g. rock climbing, caving)
- Ensures smooth operation of campus rock wall

APPLICABLE PROJECTS

- **Ultrasonic Rangefinder**: Developed an Arduino-based rangefinder by designing, building, and soldering circuits; CAD modeling and 3D printing; and adapting C++ code to measure, store, and calculate various ranges, areas, and volumes
- **Toiletry Case**: Worked with a team to model a toiletry case in Creo and developed a website in HTML to advertise case (webpages.charlotte.edu/astokes8/1202FP)
- **Air Engine**: Created detailed CAD model of air engine in Creo, machined designed parts to specified tolerances using lathes, mills, and various hand tools
- **Design I Portfolio**: Developed familiarity with SolidWorks, FEA, gear boxes, pulleys, lead screws, DC motors, design documentation, and parametric design (instructure.charlotte.edu/eportfolios/4007)