Tony M. Nunn II

1722 Ridgeview Circle Dr.
Ballwin, MO 63021
636.544.6996 - tony.nunn@duke.edu

EDUCATION

Duke University - Class of 2026 Durham, NC

Majors: BSE in Biomedical Engineering and BSE in Electrical and Computer Engineering

Additions: A concentration in Machine Learning and a Certificate in Robotics.

GPA: 3.83

PROFESSIONAL EXPERIENCE

Duke University - Systems of Engaging the Environment Lab (SEEL) Durham, NC
Research Assistant Feb 2023 – Jan 2024

- Assist in lab work: making biofilms and imaging results
- Review paper summaries relating to biofilms and other research areas
- Participate in lab team meetings

Gateway Biotechnology Inc. (Affiliated with Duke Head and Neck) Remote/St. Louis, MO
Intern/Consultant/Research Assistant June 2023 – Current

- Train and test lab animals. Recorded and charted ongoing results training/testing
- Create and manipulate programs and infrastructures related to animal training/testing
- Participate in team meetings regarding research data

SAILea Remote
Vice President of Operations May 2024 – Current

- Facilitate and monitor all onboarding processes
- Oversee all internal affairs to ensure efficient operation (Ex. Automate repetitive tasks)

CURRENT PROJECTS

Transhumeral Prosthetic (Fall 2022) – Working with Team Leyman in the Duke-sponsored club called Enable. We are in the process of designing and building a custom medium-fidelity transhumeral robotic prosthetic.

Pending Publication (Fall 2022) - Co-authored an educational article about the chemistry behind short-term asthma medication (albuterol).

Mentoring (Fall 2023) - As secretary of Duke Robotics Mentorship (DuRM), I will begin to engage with local middle school kids with robotics activities in order to enrich their interest in STEM.

Light Sheet Microscope (Spring 2024) - Leading a team associated with Gateway Biotechnology (now affiliated with Duke Head & Neck) to create a low-fidelity light sheet microscope intended for lab use.

FINISHED PROJECTS

Audio-Animatronic (Fall 2022) - An educational and interactive animal sound model(cicada) created with a team, for the Sarah P. Duke Gardens.

TECHNICAL EXPERTISE

- CAD/3D Printing
- Java
- Excel
- Micro-pipetting
- Seal of Biliteracy (Spanish)
- MATLAB
- Python
- C++/Arduino
- Circuitry
- Statistical Analysis