

## Courtney Curtis

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### EDUCATION

**Georgia Institute of Technology** Aug. 2019 – May 2024  
*Bachelor of Science in Biomedical Engineering, Honors Program*

- GPA: 3.57
- **Honors/Awards:** Dean's List, Faculty Honors, OMED Tower Award, Women of Color Initiative Undergraduate Impact Award

### SKILLS

- *Data & Processing:* Statistical Analysis
- *Programming:* MATLAB, Python
- *Prototyping:* Fusion360, Solidworks, Verification & Validation Testing
- *Organizational:* Documentation, Project Management, Time Management, Process Map Development, Teamwork

### PROFESSIONAL EXPERIENCE

**Owens & Minor** Jan. 2024 - Present  
*R&D Co-op*

- Managed material properties and biocompatibility documentation
- Analyzed fiber diameters and tabulated results
- Led prototyping and testing for N95 mask improvements
- Assisted in verification & validation testing for SMS and meltblown materials

*R&D Co-op* Aug. 2022 – Dec. 2022

- Led prototyping and testing for surgical nonwovens cost savings projects
- Formulated and documented test results to communicate improvement opportunities
- Collaborated with subcontractors to prototype antimicrobial surgical equipment

**Pathology Dynamics Lab** Jan. 2024 - Present  
*Error Analysis Undergraduate Team Lead*

- Organized team structure, documentation, and managed task delegation
- Analyzed the frequency of algorithmic errors to initiate program improvements

*Natural Language Processing Data Curation Leadership & Quality Control* Jan. 2023 – Dec. 2024

- Trained an AI model to develop detailed meta-analyses of clinical texts

### ACADEMIC PROJECTS

**A New Don: Improving Aseptic Cleanroom Coveralls** Jan. 2024 - Present

- Communicated directly with consumers and manufacturers to understand user needs
- Managed team progress and task delegation
- Conducted a patent search to determine patentability and freedom to operate

**Stem Cell Therapy for Hearing Loss** Aug. 2023 – Dec. 2023

- Proposed a cell therapy to restore auditory function in cases of noise induced hearing loss

**Just Breathe: Effectiveness of Meditation in Stress Reduction** Jan. 2023 – Apr. 2023

- Developed a circuit and algorithm to acquire and assess biosignals
- Designed a clinical protocol to test assumptions

**Catheter Caretakers: Improving Exit Flow Rate** Jan. 2022 – May 2022

- Designed a urinary catheter that reduces risk of UTIs by increasing exit flow rate by 75%

**Monitoring Stress Levels in Health Disparity Groups** Jan. 2021 – May 2021

- Developed a wearable prototype and algorithm to acquire biosignals and deliver suggestions based on interpretations of measured stress

### VOLUNTEER EXPERIENCE

**Trees Atlanta** – Atlanta, GA (Jan. 2024): Planting trees in local Atlanta communities  
**Douglas County High School** – Atlanta, GA (Dec. 2023): Panelist for college experience forum  
**Women in Engineering** – Atlanta, GA (Oct. 2023): Panelist for biomedical engineering informational session  
**GT HealthReach** – Atlanta, GA (Aug. 2022 – May 2023): Sickle Cell Anemia patient outreach and tutoring  
**Society of Women Engineers** – Atlanta, GA (Mar. 2021): STEAM Workshop