

Erin Taylor

Atlanta, GA | etaylor79@gatech.edu

Education

Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Electrical Engineering
GPA: 3.71
Honors Program

August 2023 – Present
Expected Graduation, May 2027

Souhegan High School | Amherst, NH

Valedictorian

Graduated June 2023

Experience

Institute for Electronics and Nanotechnology, Georgia Institute of Technology | Atlanta, GA

Student Research Assistant

August 2023 – Present

- Fabricated new workflow for microfluidic molding process using a 3D printed mold.
- Certified to use multiple cleanroom tools: Variable Pressure Scanning Electron Microscope, FT-IR Spectrometer, UV-VIS Spectrometer, Zetasizer Nano ZS, BMF S-150, Nanoscribe GT2.

Lab/Research Support Intern

June 2022 – August 2022

June 2023 – August 2023

- Developed material that Exaddon will use for training and product use worldwide.
- Experience in inorganic cleanroom and biocleanroom with micro 3D-printing, microfluidics, and photolithography processes.
- Created training materials for 14 cleanroom tools (eg. Scanning electron microscopes, resin and metal 3D printers, and analysis tools).
- Summer 2023 guided and trained high school interns.
- Used AutoCAD and SolidWorks to design parts for tools and create models of the lab.

Skills

Programming: Python (proficient), Java (basic), Javascript (basic)

Software: SolidWorks, AutoCAD, Matlab, Canva, Office/Google Tools

Professional Organizations: Georgia Tech Society of Women Engineers, Georgia Tech Women in Electrical & Computer Engineering, Institute of Electrical and Electronics Engineers (IEEE)

Languages: English (native), Spanish (limited)

Activities: Georgia Tech Women's Lacrosse Club, Georgia Tech Residence Hall Association

Leadership

Georgia Tech Eighth Street Apartments Area Council | Meetings Coordinator

September 2023 – Present

- Approve and delegate the use of \$3,250 to benefit 500+ residents.
- Plan and lead weekly community meetings and hold responsibility for the operation of community council.

Souhegan H.S. Ethics Forum | Member

May 2022 – May 2023

- Hosting Young Philosophy Enthusiasts (HYPE) Conference (Spring 2022, Fall 2022 and Spring 2023), assisted in planning with 800+ student participants.

Awards

Georgia Institute of Technology Dean's List

December 2023

U.S. Marines Academic Excellence Award

May 2023