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## Jacquelyn G. Sullivan, NREMT

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770.579.8345 · [jacquelyn.g.sullivan@gmail.com](mailto:jacquelyn.g.sullivan@gmail.com) Chemical and Biomolecular Engineering Major, Pre-Health and Medicine Minor; Pre-Med Track

Nationally Registered Emergency Medical Technician (State License in Georgia), Expected Graduation: May 2027

### EDUCATION

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**Georgia Institute of Technology** 2023 to present

- Chemical Engineering Major
- Pre-Med Track and Pre-Health Minor
- GPA 3.47/4.0

**University of Alabama in Huntsville** 2022 to 2023

- GPA 4.0/4.0

**Calhoun Community College** 2022 to 2023

- EMT Certification
- GPA 5.5/6.0

### PAST RESEARCH AND WORK EXPERIENCE

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**Georgia Institute of Technology Marcus Nanotechnology Fabrication Inorganic Clean Room** -*Research Assistant*

- Creation of polymer wafers for research and private and public companies
- Plasma and sputtering research for electronics
- On the job training and quick learning
- Working with other researchers in teams to solve problems

**Bubble-Butt Syndrome Sea Turtle Research**

- Multi-year development of medical devices to help sea turtles in the Florida Keys that have Bubble Butt syndrome
- Underwater testing of devices and prototype improvement

**How do Various Controlled Substances Affect *Daphnia Magna*?** -*Lead Researcher*

- 1st place winner of All-Region Sea Island Science Fair
- Finalist at Regeneron International Science Fair 2022
- Finalist at Sigma Xi International Science Fair 2022
- Nominee for Davidson Fellows Scholarship 2022

**How do Various Household Materials Affect *Daphnia Magna*?** -*Lead Researcher*

- 1st place winner of All-Region Sea Island Science Fair 2021
- Finalist at Regeneron International Science Fair 2021

### LEADERSHIP

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**Greenpower F24 Racing**— *Mechanic, Driver, Team Lead*

- Electric Automobile Racing National Winner for the F24 Division
- Lead Electrical and Mechanical Engineer for Red Team (managed 8 people) and driver for races
- Marketing Special Teams (Instagram, Facebook, Website Management)

**RHA West Village President and Meetings Coordinator**

- Manage a team of 4 to plan bimonthly events for about 320 residents
- Run biweekly meetings and attend monthly Legislative Meetings to review resident legislation
- Manage a budget of about \$3000 to promote community within resident halls

**United Way Youth Leadership Council**— *Social Media and Outreach Chair*

- Run new Logo Design competition and meetings
- Run the Youth Leadership Council Instagram and Facebook Pages
- Designed Recruitment Posters and lead advocacy/outreach team to increase recruitment and community education about United Way

### SKILLS

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**Programming:** CAD Modeling for 3-D Models and proficient in Matlab (cell array data management, conditionals, iterations)

**Concepts:** Linear Algebra, Differential Equations, Protein Synthesis, Chemical Processes, Fabrication.

**Languages:** English (native), Mandarin Chinese (fluent)

**Clubs:** RHA Dorm President, Explore GT