

# HANNAH DESOTO

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## EDUCATION

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**GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering**

**Atlanta, Georgia**

*Bachelor of Science in Mechanical Engineering*

*May 2020*

- Dean's List (Fall 2016 – Fall 2019)
- Georgia Tech Lorraine Study Abroad Program in Metz, France

GPA: 3.83

## WORK EXPERIENCE

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**EMRGY INC**

**Atlanta, Georgia**

*Marketing Intern*

*January 2019 – Present*

- Coordinated a PR campaign to announce Emrgy's new partnership with GE Renewables which included: writing a joint press release, supervising informational content creation, and composing announcements regarding the partnership
- Managed large scale website updates by generating informational and visual website content while communicating company expectations to the web developer
- Spearheaded a social media campaign to establish a constant and informative company presence on multiple social platforms that resulted in a 200% increase in LinkedIn followers over the course of ten months
- Launched a quarterly newsletter campaign to update shareholders, clients, and other interested parties on Emrgy's important developments to a network of around 1,000 subscribers

**EMRGY INC**

**Atlanta, Georgia**

*Engineering Intern*

*January 2019 – August 2019*

- Led product testing of Emrgy's flume and turbine system at the Alden Turbine Testing facility in Massachusetts, assembling and testing ten rotor configurations and collecting data using ProDrive, AcuView, and SENSIT software
- Designed 5 custom tools that integrate with a standard impact drill assembly to allow for time-efficient insertion and removal of machine components, reducing turbine rotor assembly time by over 50%
- Established analysis tools for product testing data and communicated important findings to upper management to inform key decisions during testing
- Developed a proprietary database to quantify Emrgy's potential market in the US and to identify potential customers by combining open source hydrography data, historic flow information, and utility/municipality domain information

**CAMPUS RECREATION CENTER AT GEORGIA TECH**

**Atlanta, Georgia**

*Risk Management Student Manager*

*January 2017 – December 2018*

- Organized communication pipeline to track safety officer certifications and coach eligibility status for 42 sport clubs
- Conducted research on eSports as a college sport club and communicated the necessary program implementation steps to upper management at Georgia Tech
- Enhanced customer service and teamwork skills by working with a team of 6 other office staff to consistently communicate intramural, sports club, and vehicle rental information to relevant parties

## LEADERSHIP

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**VARIABLE PITCH TURBINE BLADE CAPSTONE PROJECT**

**Atlanta, Georgia**

*Team Leader*

*January 2020–Present*

- Direct a team of six students to meet corporate sponsor and class specifications on a design project to potentially reduce current turbine control system cost by up to 80%

**PHI MU FRATERNITY**

**Atlanta, Georgia**

*Sustainability Chair*

*December 2018–December 2019*

- Headed a committee of 12 students to create, implement, and promote custom sustainable programs within Phi Mu and the Georgia Tech community
- Coordinated weekly food donations to the Campus Kitchens project and the sorting and distribution of recycling for the 150 active members of Phi Mu

## SKILLS/INTERESTS

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**Skills:** MATLAB, SolidWorks, COMSOL, ArcGIS, Machining, VBA, WordPress, Linux, Adobe Premiere Pro

**Special Courses:** Computational Fluid Dynamics (selected for research position due to exceptional performance in this course), Sustainable Design and Manufacture, Machine Design, Data Visualization Bootcamp

**Affiliations:** Students Organizing for Sustainability, Student Alumni Association, Phi Mu Fraternity

**Volunteering:** Children's Miracle Network, Atlanta Mission, Trees Atlanta

**Interests:** Sustainable technology development, backpacking, classical and modern dance