

Jadon Pauling

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EDUCATION:

Georgia Institute of Technology - Atlanta, Georgia

Expected Graduation: May 2022

- Bachelor of Science in Mechanical Engineering
- Minors in Computer Science and Spanish
- GPA: 3.61/4.0

RELEVANT COURSES:

- Creative Decisions and Design
- Object-Oriented Programming
- Computing for Engineers
- Statics
- Intro to Engineering Graphics
- Circuits & Electronics
- Multivariable Calculus
- Linear Algebra
- Differential and Integral Calculus

TECHNICAL/NON-TECHNICAL SKILLS:

- Microsoft Word, Excel, PowerPoint
- House of Quality, Specifications Lists
- Java, VPython, Python, JavaFX
- MATLAB, SolidWorks, LabVIEW
- Morphological Charts, Function Trees
- Batch Data and Analytics
- Spanish (Intermediate)
- Polymorphism

PROJECTS/RESEARCH:

3D CAD SolidWorks Team Project

Team Member

August 2018 – December 2018

- Led a four person team to create a concept design for a fully autonomous flying car
- Created and combined different parts within SolidWorks to create final assembly of an Aerocar
- Pitched design features and capabilities to engineering class

3D Printed CAD Design

Individual

August 2018 – December 2018

- Used SolidWorks to create and design an assembly for a medallion
- 3D printed and assembled medallion components
- Used measurements to calculate differences in tolerances and size between CAD design and product

Creative Decisions and Design Robot

Team Member

August 2019 – November 2019

- Created an autonomous robot designed to complete a series of given tasks
- Fabricated machine components through laser cutting and 3D printing
- Programmed robot mechatronics via LabVIEW and myRIO controller

EXPERIENCE:

Challenge Program, Atlanta, GA

Counselor

May 2019 – August 2019

- Guided over 140 students through the most rigorous essential classes offered at Georgia Tech
- Participated in the development of the next class of Georgia Tech students over a 5-week period

Whelan Event Security Services, Atlanta, GA

Guest Services Specialist

September 2018 – Present

- Serves and assists over 2,000 people at each Georgia Tech event
- Directs and manages flow of thousands of people into and out of various stadiums at Georgia Tech

Study Abroad, Metz-Lorraine, France

Participant

January 2020 – April 2020

- Spent a semester attending Georgia Tech's campus in Metz, France
- Observed and experienced various cultures throughout Europe

VOLUNTEER EXPERIENCE:

Books for Africa, Atlanta, GA

Volunteer

September 2018

- Sorted donated books by category and age level to be sent to those in need in sub-Saharan Africa

Hot Chocolate 5k, Atlanta, GA

Volunteer

February 2019

- Encouraged 5k and 15k runners while they ran to raise money for the Make-A-Wish foundation

LEADERSHIP/ORGANIZATIONS:

Phi Beta Sigma Fraternity, Inc.

Secretary

April 2019 – Present

- Developed as a leader through various service, social, and outreach events
- Acted as secretary by planning events, taking minutes, and maintaining various social media pages

Camp Invention

Counselor

June 2017, June 2018

- Guided approximately 35 children, aged 4-12, through STEAM based activities throughout the day

ACTIVITIES/AWARDS:

- Dean's List and Faculty Honors Scholar Recipient August 2018 – Present
- National Society of Black Engineers Member August 2018 – Present
- American Society for Mechanical Engineers Member August 2018 – Present
- African American Male Initiative Member August 2018 – Present