

# Allison Lloyd

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## EDUCATION

<b>Georgia Institute of Technology</b> - Spring Class of 2024 Major: Mechanical Engineering with a concentration in Design	GPA: 4.0 Minor: History	Aug 2020 – Present
<b>Burton Center for Arts and Technology/Northside High School</b> Valedictorian Graduate of the Engineering Specialty Program		Aug 2016 – May 2020

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## EXPERIENCE

<b>Burns &amp; McDonnell, Roanoke, VA</b> - Engineering Intern <ul style="list-style-type: none"><li>Designed an 800 Square Foot House from Beginning to End</li><li>Worked on 50+ Federal, Commercial, and Residential Projects</li></ul>		Aug 2019 – May 2020
<b>Blue Ridge Sign &amp; Stamp, Roanoke, VA</b> - Intern <ul style="list-style-type: none"><li>Assembled 200+ Signs and Stamps</li><li>Performed Customer Service Operations such as Taking Orders and Reviewing Orders for Quality</li></ul>		June 2019 – July 2019
<b>Carilion Design Group</b> - Intern <ul style="list-style-type: none"><li>Improved Aesthetics and Functionality of a Multi-million Dollar Hospital Network</li><li>Identified Safety Risks that Could be Detrimental to Patient Health</li></ul>		July 2018

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## SKILLS

**Mechanical Engineering**- Chemistry; Linear Algebra- Matrices; Engineering Economics; Physics; Calculus

**Certifications**- OSHA Certified for General Workplace

**Machining**- General Machining Operations on Lathes, Mills, Routers, Saws, Etc.

**Computer Skills**- Microsoft Word, Excel, and PowerPoint; Autodesk AutoCAD and Inventor; MATLAB; Alice

**Communication**- Written over 100 Technical and Creative Writing Works; Communications Correspondent for Student Organizations; 3 Years of Experience with the German Language and Culture

**Leadership**- Founded and Organized a Toy Drive for Children in Need; Delegation of Tasks; Teamwork

**Competitions**- Archery; Technical Math; Engineering Design; Chess; Scholastic Bowl

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## ACADEMIC PROJECTS

<b>Escape Room</b> - Georgia Tech Theme Park Engineering and Design Club <ul style="list-style-type: none"><li>Designed an Escape Room from the Ground Up</li><li>Managed All Aspects of the Project</li></ul>		Jan 2021 – Present
<b>Ride Development Team</b> - Georgia Tech Theme Park Engineering and Design Club <ul style="list-style-type: none"><li>Designed and Built a 1/50<sup>th</sup> Scale Model of a Hybrid Water Flume and Roller Coaster Ride</li><li>Followed ASTM Safety and Entertainment Standards</li><li>Led Sub-Teams to Complete Tasks</li></ul>		Oct 2020 – Present
<b>Theme Park Ride Design</b> - Georgia Tech Theme Park Engineering and Design Club <ul style="list-style-type: none"><li>Designed a Dark-Ride to Fill an Empty Space in a Current Theme Park</li><li>Created a Script and Storyline for the Attraction</li></ul>		Sept 2020 – Nov 2020
<b>Magnetic Light Bright for Special Needs Children</b> - Senior Design <ul style="list-style-type: none"><li>Machined 100 Magnetic Tiles to be Used with the Custom Light Bright Base</li><li>Won 3<sup>rd</sup> place in the REACH National Engineering Competition</li></ul>		Aug 2019 – Jan 2020

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## LEADERSHIP

<b>First Year Retreat Facilitator</b> - Georgia Tech Stamps President's Scholars Program <ul style="list-style-type: none"><li>Planned and Executed, as Part of a 10-Person Team, the First-year Retreat for New Scholars</li><li>Led a Small Group of 5 New Scholars Throughout the 3-day Event</li><li>Communicated with Over 300 Prospective Students</li></ul>		Jan 2021 – Present
<b>Worship Team</b> - Georgia Tech Baptist Collegiate Ministries <ul style="list-style-type: none"><li>Led Worship for 40+ Students</li></ul>		Nov 2020 – Present
<b>Sponsored Archer</b> - Amherst Arms Bobcat Archery Team <ul style="list-style-type: none"><li>Taught Classes to New Archers</li><li>Received a Sponsorship from Black Eagle Arrows and Won the Virginia State Leadership Award</li></ul>		Aug 2018 – Present