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ROHAN SOHANI

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EDUCATION

Georgia Institute of Technology – Atlanta, Georgia

Graduation Expected May 2023

- GPA: 3.87
- Bachelor of Science Aerospace Engineering
- Programming Languages: MATLAB, C, LabVIEW, Python, Java Skills: CATIA V5/V6, JIRA, Enovia, SolidWorks

Purdue University – West Lafayette, Indiana

August 2018 – May 2019

- GPA: 3.77
- Worked towards a Bachelor of Science in Aeronautics and Astronautics Engineering

EXPERIENCE AND PROJECTS

Interior Engineering/Design Intern – Tesla (*Fremont, California*)

May 2021 – August 2021

- Responsible for the development of all interior switches on the Semi Truck Program from concept to tooling kick-off and collaborated with international partners to develop production-ready assemblies
- Lead a team of engineers and supply chain personnel to support Tesla Service demand during the Microchip shortage by aiding in the redesign of electrical components and helped to forecast demand
- Approved design changes to improve product quality and reliability on the Tesla Model 3, Y and Plaid Program

January 2020 – July 2020

- Worked on developing and managing interior switches for Tesla vehicles resulting in \$2.1 million cost saved globally across the Model 3, Y and Plaid Program.
- Became the technical lead and point of contact for external suppliers for the Model 3 and Y programs and worked with Tesla Design Quality to ensure and approve the physical appearance of plastic injected parts.
- Used CATIA V5 to design switch components while interfacing with Tesla Design Studio A-surface design.
- Aided Tesla Supply Chain to evaluate potential supplier readiness and overall ability. Also helped to kick-off new projects for numerous suppliers.

Software Development Intern – National Aeronautics and Space Administration (NASA)

June 2019 – August 2019

Johnson Space Center (Houston, Texas)

- Supported the Advanced Exercise Development Lab (ER6) to develop and improve exercise flight software on Artemis and International Space Station Missions.
- Created basic algorithms using neural networks to track astronaut performance in order to predict load and rep correlations for injury prevention and exercise efficiency using biosensors on the crewmember.
- Utilized load sensors in existing exercise equipment to calculate the center of mass of a crewmember to autonomously train crew members to have better form, used to prevent/predict injuries for weightlifting exercise.

AVIATION RELATED EXPERIENCE

Instrument Rated Pilot – Federal Aviation Administration

August 2017 – Present

- Passed the Private Pilot and Instrument Rating Examination; currently working on acquiring Commercial Pilot License.
- Received Complex Endorsement during September 2018 and High-Performance Endorsement during May 2019.
- Completed my first Solo flight during September 2016.

Vice President – Centennial Aviation Academy

Fall 2016 – August 2018

- Tasked with maintaining aircraft airworthiness of 6 aircraft. Worked closely with aircraft mechanics and maintenance staff to gain understanding regarding FAA regulations, aircraft maintenance, and flight line operations. Gained knowledge about ways to run an effective and productive business.

EXTRACURRICULARS

- **Vice President of Academic Affairs at GT Student Government:** Official liaison between the undergraduate student body and many Georgia Tech academic units. Tasked with the responsibility of voicing the undergraduate student body opinion, I serve on committees concerning Institute policy, curriculum, rules, and regulations.
- **Logistics Chair at Bollywood America:** Currently serving as the logistics chair for BA, who are the overarching organization for the Indian American Dance Circuit. I am responsible for coordinating the national competition.