Tiger Sky Jewell-Alibhai

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Skills

Programming

- Java
- Javascript
- Python
- HTML & CSS

Languages

- Mandarin
- Portuguese
- (English)

Software

- SolidWorks, Onshape, Fusion 360
- MatLab, ROS, and Gazebo
- Photoshop and Illustrator
- Davinci Resolve and Hitfilm 4
- Excel/Google Sheets
- Sibelius 7 and Musescore

Education

Undergraduate

Olin College of Engineering
Needham, MA

Bachelor of Science in Mechanical and Robotics Engineering
Taken introductory courses in Mechanical, ECE, and Programming
Currently taking courses:
 Mechanical Prototyping, Lean-Agile Project Design, and Applied Linear Algebra and Multivariable Calculus

High School

Durham Academy
Durham, NC

Recipient of Cole Award for Excellence in Physical Sciences (10th grade)
Recipient of Senior Science Award

Experiences

Drones and UAVs

- FAA Part 107 Commercial License Holder
- Built custom Quadcopters and Fixed Wings
- Project in Oregon to map historical sites using ground and UAV based sensors
- Projects in Namibia/China to monitor endangered wildlife using UAVs to ID animals from their footprints
- Various photography and cinematography jobs using UAVs

Intern at Practical Scientific Solutions

- Iteration from prototype to final production design
- Experience with solidworks and materials selection

FIRST Robotics

- Team Founder and Captain, Dean's List Semifinalist
- Competitor at Houston World Championships 2017-18
- Experience with power tools, Onshape, and Google Sheets

Activities

Piano: Jazz & Rock

- Member of Durham Academy's In The Pocket Ensemble, recorded Album

Projects & Teams

- Olin Design Build Fly Team
    Structures Lead - airframe design and build
- Long Range FPV Drones
    Telemetry systems research and implementation

Check out my website for additional information about these projects and more:

tigeyjewellalibhai.github.io/portfolio