



# Tiger Sky Jewell-Alibhai

(919) 432-3068

talibhai@olin.edu

[tigeyjewellalibhai.github.io/portfolio](https://tigeyjewellalibhai.github.io/portfolio)

## Skills

### Programming

- Java
- Javascript
- Python
- HTML & CSS

### Languages

- Mandarin
- Portuguese

### Software

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

## Education

### Undergraduate

Olin College of Engineering  
Needham, MA

Bachelor of Science in Mechanical Engineering  
Recipient of 4-year, 50% Olin Merit Scholarship  
Taking introductory courses including Design Nature, Modeling & Simulation, and Intro to Sensors

### High School

Durham Academy  
Durham, NC

National Merit Finalist  
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 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

### FIRST Robotics

- Team Founder and Captain, Dean's List Semifinalist
- Data Analytics Lead, Mechanical and Design Member
- Competitor at Houston World Championships in 2017 and 2018
- Experience with power tools, Onshape, and Google Sheets

## Activities

### Piano: Jazz & Rock

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

### Athletics & Sports

- Olin Ultimate Frisbee Team
- Olin Soccer Club

### Project Teams

- Olin Baja Team
  - Electrical Subteam
  - Telemetry Systems Lead
- Olin Design Build Fly Team
  - Structures, Battery & Propulsion Subteams
- Olin International Aerial Robotics Competition (IARC)
  - Mechanical Subteam

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

[tigeyjewellalibhai.github.io/portfolio](https://tigeyjewellalibhai.github.io/portfolio)