



Tiger Sky Jewell-Alibhai

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tigeysky.com

Skills

Programming

HTML • CSS • Bootstrap
Matlab • ROS • Gazebo
Python • Kotlin
Github • Git
Javascript
Java

Languages

Mandarin
Portuguese
(English)

Power Tools

3D Printer • Laser Cutter
Basic Woodworking Tools
Mill • Shopbot CNC
Vinyl Cutter

Software

SolidWorks • Onshape • Fusion 360
Photoshop • Illustrator
Davinci Resolve • Hitfilm • Premiere Pro
Office Suite • G Suite • JetBrains Suite
Betaflight • BLHeli

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 & 2018
- 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:

tigeysky.com

