



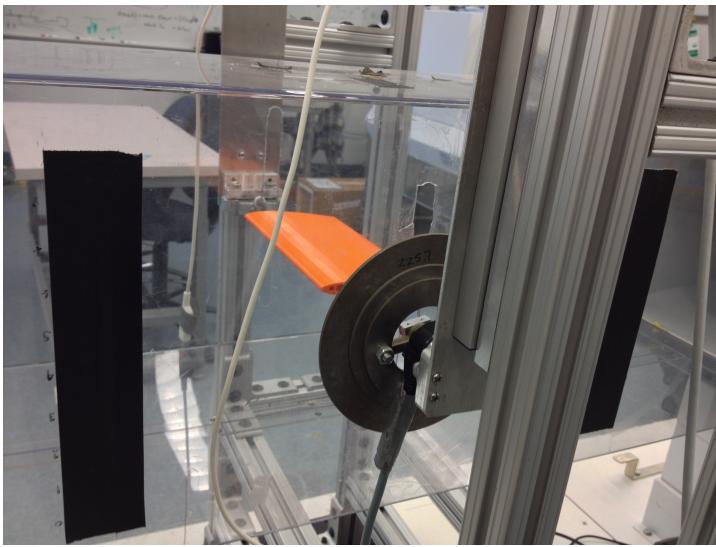
ADIT DHANUSHKODI

PORTFOLIO

AEROELASTIC ENERGY HARVESTING (1)
PERSONAL RESPONSIVE WEBSITE (2)
BIO-INSPIRED TRANSPORTER TOY (3)
BRANDING A SHOE STARTUP (4)

AEROELASTIC ENERGY HARVESTING

This was a research project that involved generating power by taking advantage of aerodynamic effects that occur in airfoils. I was part of a three person team that worked on redesigning parts of the test fixture, collecting and processing data, and matching the physical model to a MATLAB model.



1. FABRICATION OF HARVESTER

For this portion, I created a mounting system for the harvester to mount to the test setup frame and tightly coiled the harvester.

2. REDESIGN AND FABRICATION OF TORSIONAL SETUP

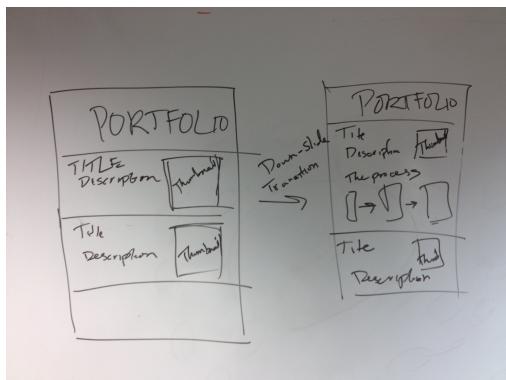
For the torsional setup, I completely redesigned the parts to make it possible to vary simple parameters very easily. I then fabricated these parts, and created multiple test setups to collect data from.

PERSONAL RESPONSIVE WEBSITE



1. INITIAL WIREFRAMES

I initially made about 10 different wireframes for the layout of my website and narrowed down my choices by ease of coding, visual appeal, and user experience.



ADIT DHANUSHKODI

ABOUT ARTWORK RESUME
PORTFOLIO



3. FINAL WEBSITE

This was a personal project where I designed and built a fully responsive personal portfolio website from scratch in html, css and javascript. I made simple wireframes, iterated between designs, and coded the entire site in html and css from scratch.

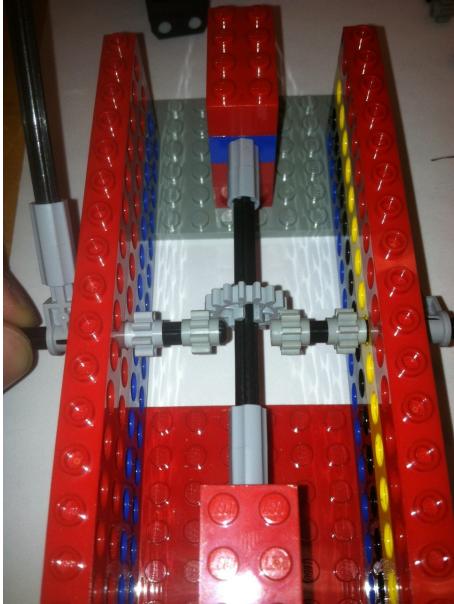
The website features a dark header with the name "ADIT DHANUSHKODI" and links for "ABOUT", "PROJECTS", and "ART". Below the header, there's a large "HI. my name is ADIT" section with a green background. To the right, there are sections for "I'M FROM THE BAY AREA" (with a map icon), "BUT I GO TO SCHOOL NEAR BOSTON", "I HAVE A PASSION for DESIGN" (with a gear icon), "I'M A MECHANICAL ENGINEER" (with a gear icon), "I ENJOY ART" (with a paint palette icon), and "SCROLL DOWN FOR MORE" (with a downward arrow icon). At the bottom left is a photo of the author. On the right, there's an "ABOUT ME" section with a bio and a photo of the author.

2. ITERATION 1 WEBSITE

This iteration was not responsive and was too focused on the about me section instead of the portfolio section. I decided to keep a similar color scheme for my final design. I also used a similar design for the about page in the final website.

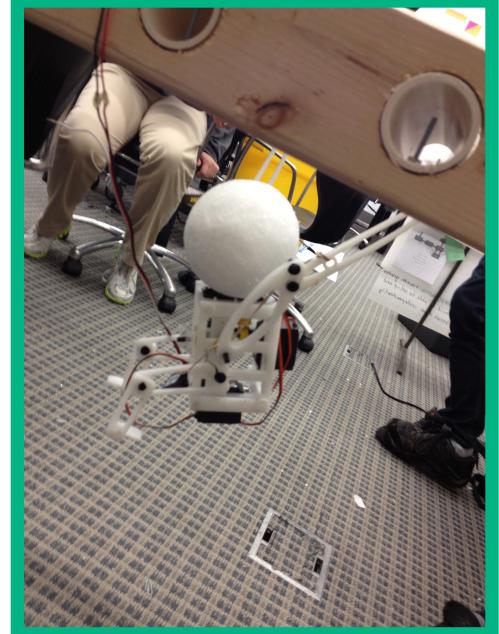
3 BIO-INSPIRED ANIMAL TOY

I worked in a five person team to design and fabricate a toy that moved like a gibbon. I was involved in the mechanical design of specific subsystems and the fabrication of the toy. The project was presented to fourth graders for judging



1. PROTOTYPING

Before fabricating our parts, we first prototyped using blue foam and simple craft items . To the left, we prototyped our gearing with LEGOs



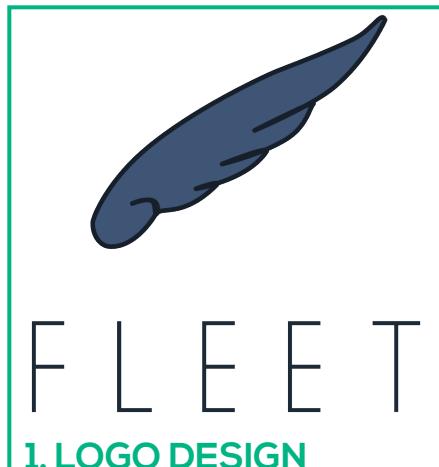
2. MECHANICAL DESIGN

I was specifically in charge of the leg subsystem. The legs needed to raise and lower based on a single servo and be able to pick up items with a magnet.



4 BRANDING A SHOE STARTUP

My primary responsibility in this project was designing how the product would look like and branding the company and product. The goal of the branding was to portray our startup as a mid-high end athletic lifestyle company similar to Nike. The brochures and posters also served the purpose of being informative and eye-catching.



This was a project for Entrepreneurial Initiative, where I worked in a team of four to develop an idea of modular athletic shoes. I was the lead designer on the project and was in charge of branding as well as designing the look and feel of the shoes.

CONCEPT BY FLEET

MODULAR ATHLETIC SHOES

the upper
Design based on minimalist running shoes

the insole
Ankle and arch support can vary based on type of insole

the tread
Design of tread based on type of support

2. POSTER DESIGN

SEND ME MORE INFO
We'll tell you when you can preorder our product!
First Name:
Last Name:
Email:

Join the shoe revolution.

Fleet Shoes are modular shoes that have interchangeable treads and soles to let you customize your shoe to your needs

THE CONCEPT:

UPPER + TREAD + INSOLE = FLEET

We have designed an innovative and unique connection system to allow you to have custom treads and insoles. You can convert your shoes to allow you to participate in multiple activities while protecting your ankles. The days of using running shoes for all activities are numbered. With our shoes, you can convert your shoes to give you ankle protection or more horizontal stability depending on the activity you are participating in. We will begin taking preorders soon.

View Landing Page
Try Lander, a landing page platform.

3. LANDING PAGE DESIGN

the team
Fleet is a project from an entrepreneurship class at Olin College of Engineering. Below is the team

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Olin Class of 2016
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Electrical Engineer

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Olin Class of 2016
Robotics Engineer

technical details

INSOLES:
the insoles slide into the shoes and bolt into the back of the shoe to keep the insoles from sliding to the front. We can add support for different types of arches by varying the shape of the insole.

In addition, we can change the amount of ankle support. Some shoes like basketball shoes need more ankle support, while running shoes need ankle freedom.

TREADS:
The treads will connect to the bottom of the upper through 4 connection points. The tread can be specialized for the type of activity.

CONNECTIONS:
The connector uses a push and lock mechanism that allows for easy attachment and removal. The connector can be turned with a coin or a finger, eliminating the need for tools during the change-over.

FLEET: TAKE THE NEXT STEP
ADIT | DANIEL | DOYUNG | SAARTH

4. BROCHURE DESIGN