



AW  
ALEXIS WEI

**P O R T F O L I O   2 0 1 9**

**Engineer  
Designer  
Innovator**



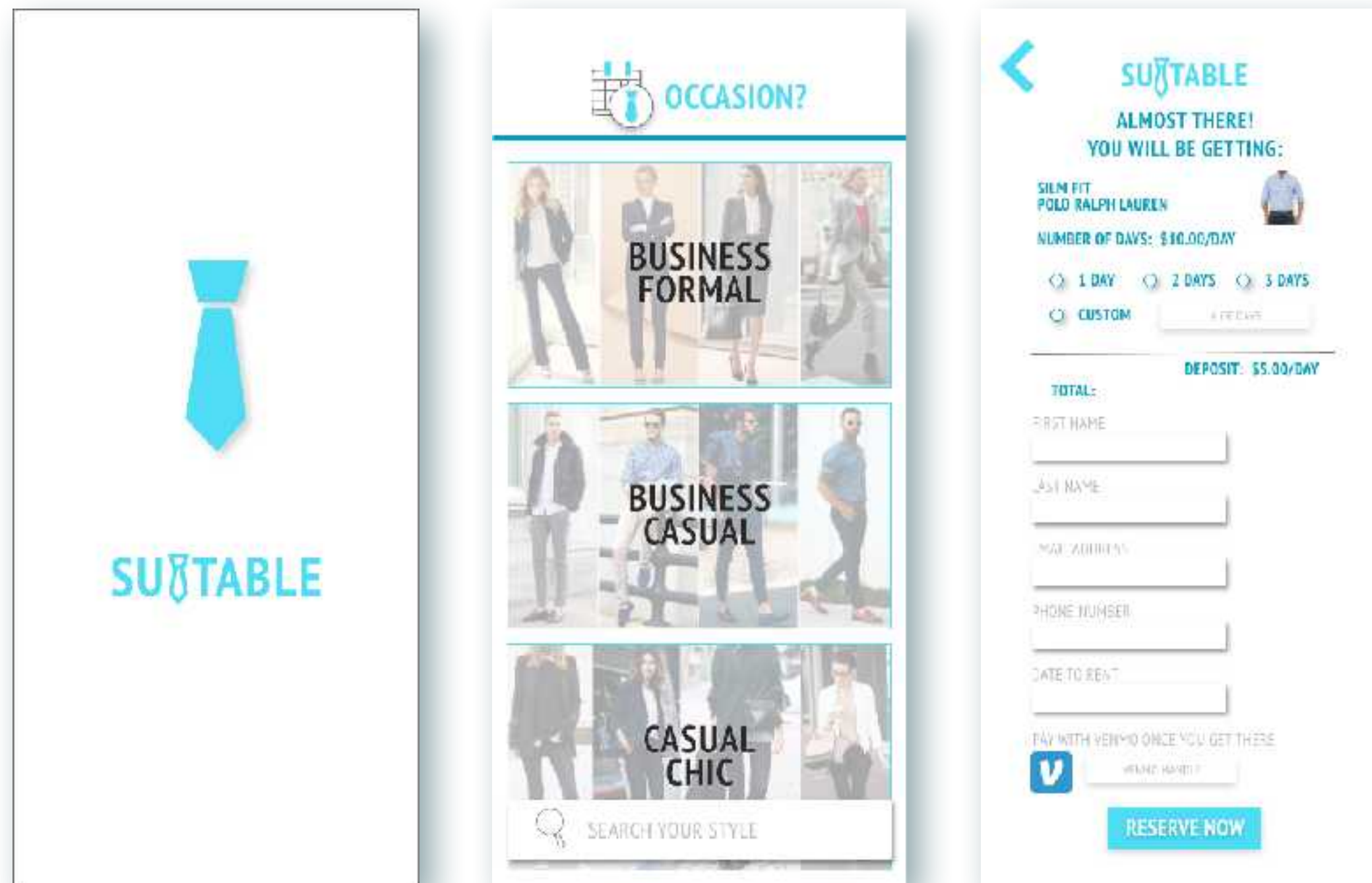
# WORK

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# SUITABLE

April 16th-19th, 2019

As a part of Deloitte's 4-Day long Start-Up Competition, Suitable was born.



**SIMPLE - USEFUL - EASY**  
Professional Wear Rental Service

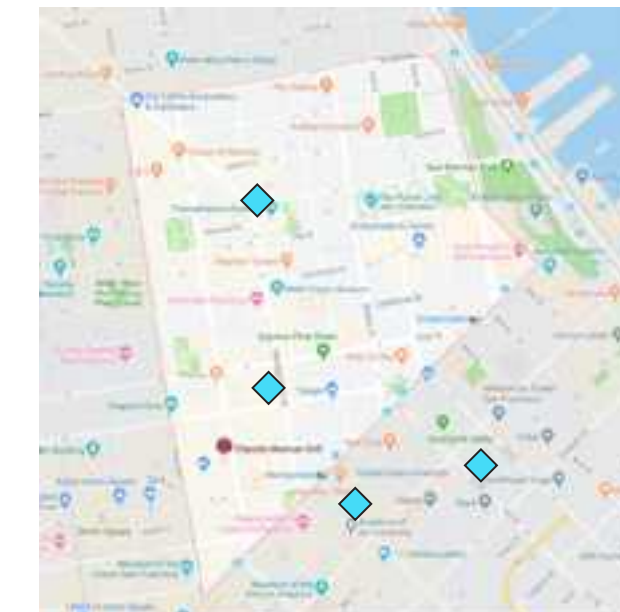
We wanted  
“Professional”  
to be convenient  
and affordable

Located where it is  
most needed

Suitable stemmed from students' constant worries when it came to recruitment and having the right thing to wear.

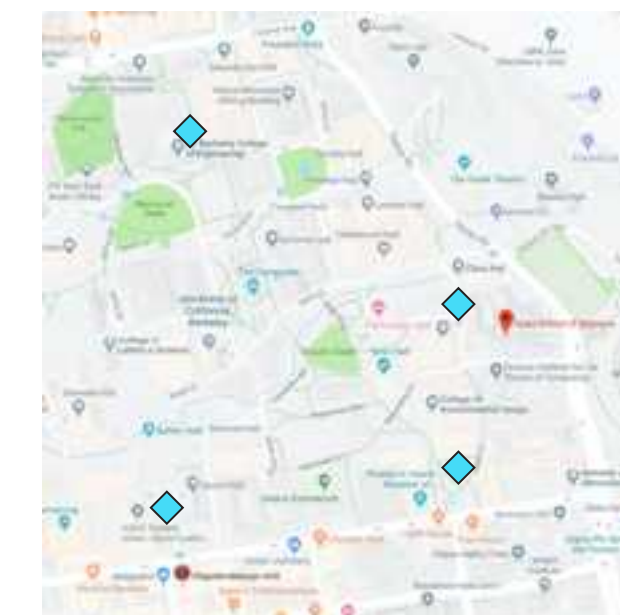
Our service is created for those on a budget, but still wanting to dress to impress.

Eventually, Suitable expanded to the ideas of comfort and convenience. How many people out there really think that suit jackets, dress shoes and high heels are the most comfortable things to wear? Doesn't dressing and storing on site sound like an amazing idea?



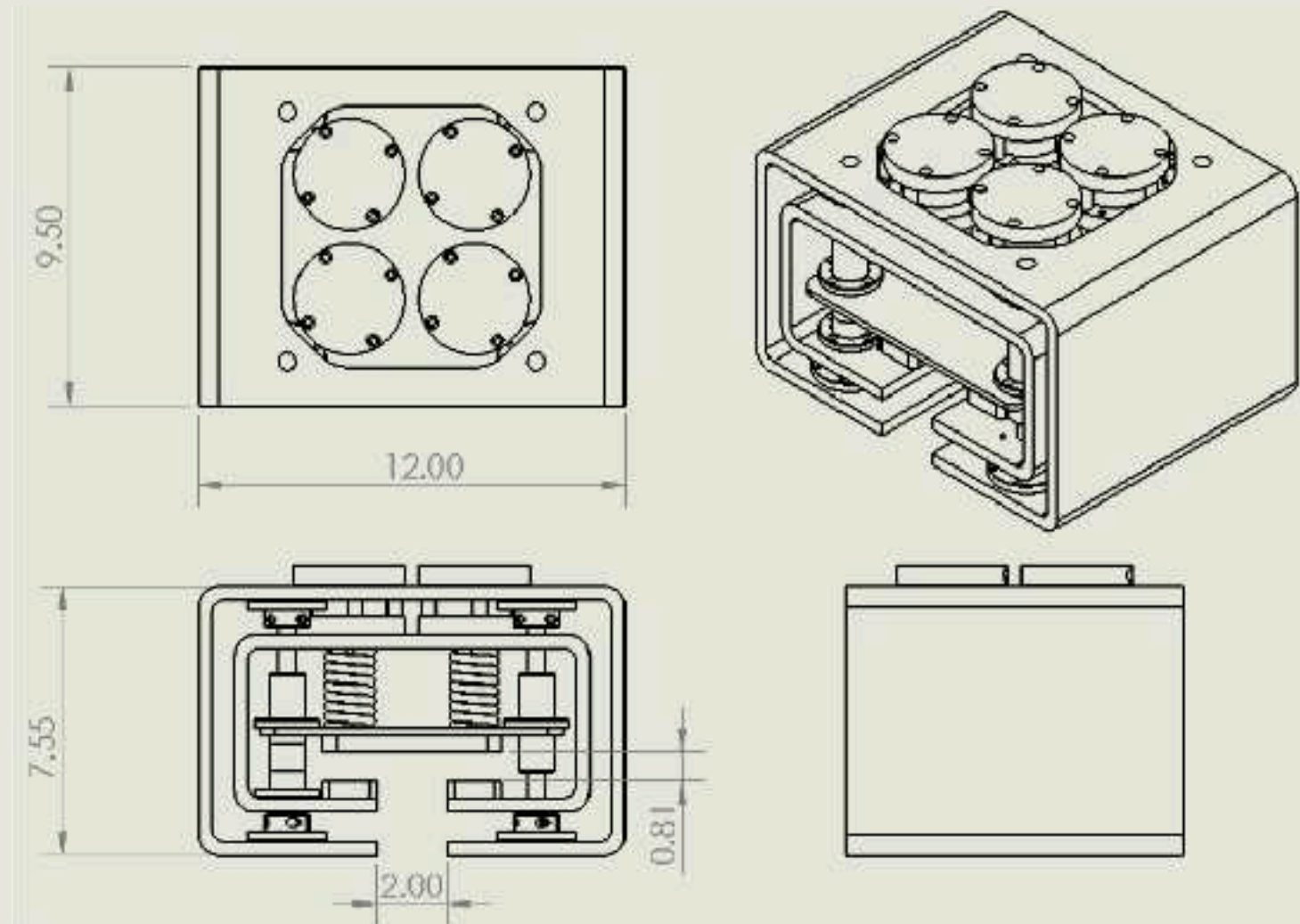
## San Francisco FiDi

- Transamerica Pyramid
- Blackrock/Slack Intersection
- Montgomery/Sutter St.
- JP Morgan/Chase Bank



## UC Berkeley

- Chou Hall - Haas School of Business
- ASUC - Student Activities Council
- College of Engineering
- Berkeley Law School



## Floating Caliper Design

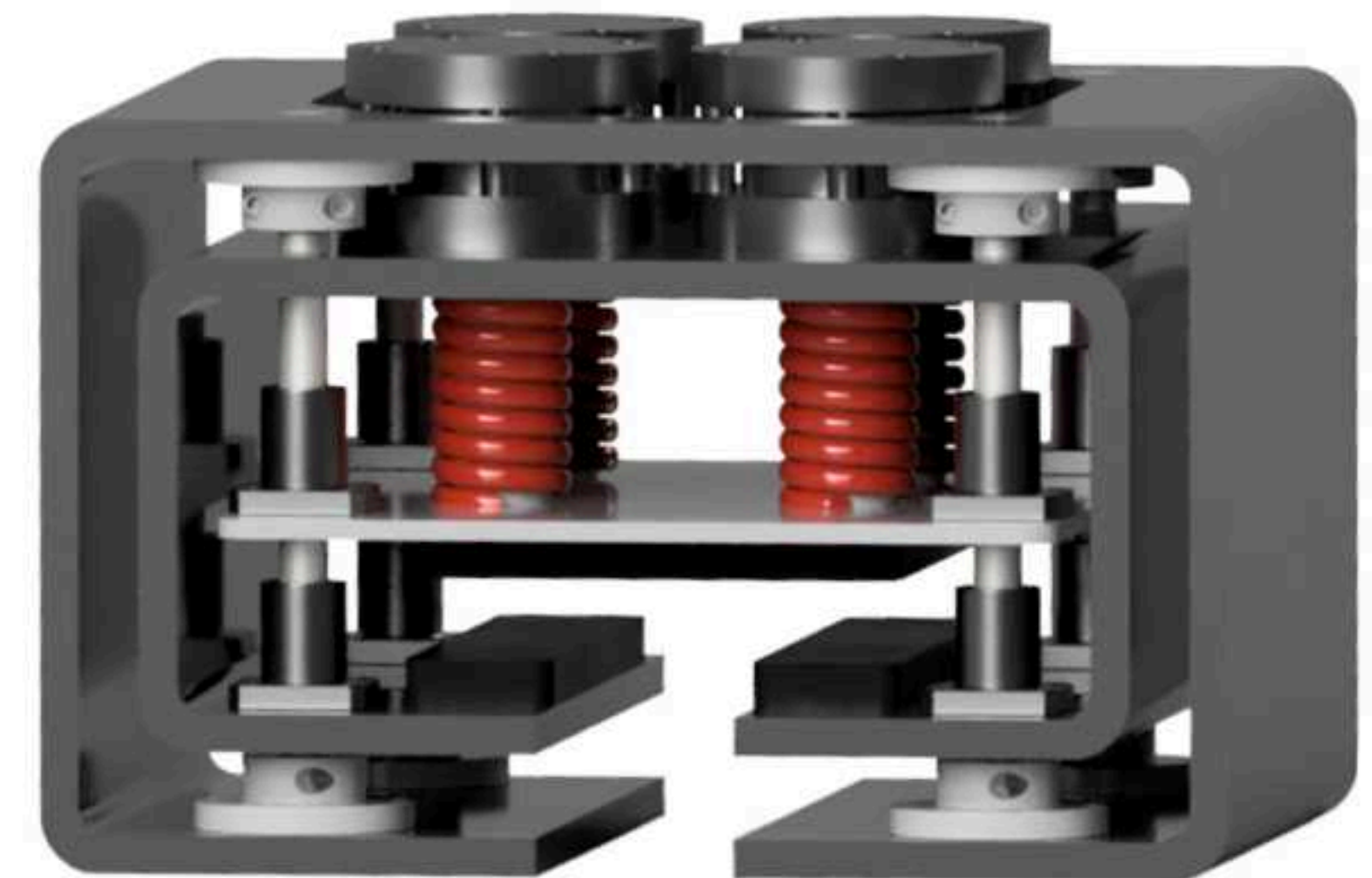
Double acting actuators pull apart braking pads through spring compression. Failsafe spring release braking. Easy to install at any cross sectional of the pod.

Personally responsible for Spring-Actuator combination attachment design and testing.

The Braking Team consists of a tight knit, high caliber group of 6 students with a goal to design an effective, modular, and fail-proof braking system in the most crucial portion of the Hyperloop Pod Competition

**BERKELEY**  
**HYPHERLOOP**

*2019 Competition Project*





**BuildBlock**  
 Become a Global Real Estate Investor  
 With BuildBlock, you can easily find international Real Estate Projects to invest in with only \$1

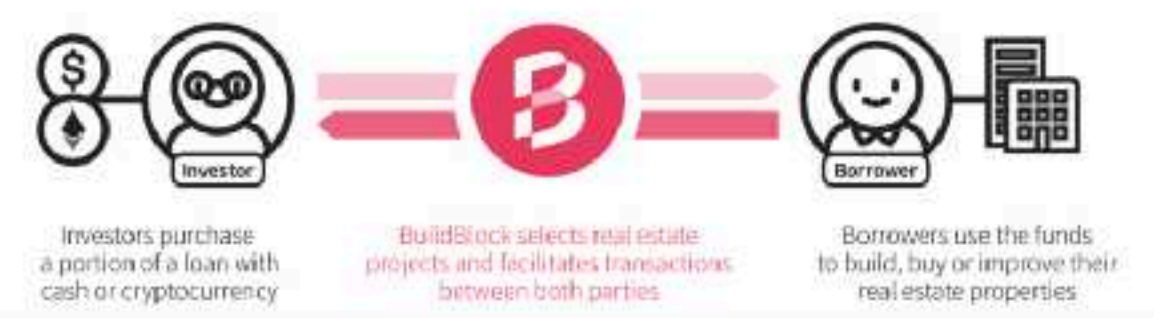
Launching Late 2019

**Are you ready to be part of the future of Real Estate investment?**

Sign up to be notified of our next investment opportunity

Email Address

**Introducing BuildBlock**



Landing Page Redesign

# BUILDBLOCK

User Experience Design

Buildblock is a Korean Blockchain Real Estate Investment Start-Up looking for ways to expand their operations into the US and Global marketplace.

I first worked with Buildblock at Berkeley LAUNCHATHON for a 2 day competition, helping them to create Social Media advertising and A/B testing content. We were voted 1st Place in the competition for creativity and collaboration among other startups.

I took into account the brand's personality, ease of use to the public and what users would want and relate, providing the company with a new slogan: "Anyone can Become a Global Investor"

**Anyone Can Become a Global Investor**  
 No minimum investment  
 Own real estate worldwide

**No Minimum Commitment**  
 Invest in Real Estate  
[info.buildblock.io](http://info.buildblock.io)

A/B Testing Content created at LAUNCHATHON

# TRUBOTICS

DESIGN NOTEBOOK

10801Z

Trubotics was a brand new VEX Robotics Competition team formed at my high school. While I was one of two Co-Creators of the document that recorded our team's year-long planning, organization, ideation, and execution.



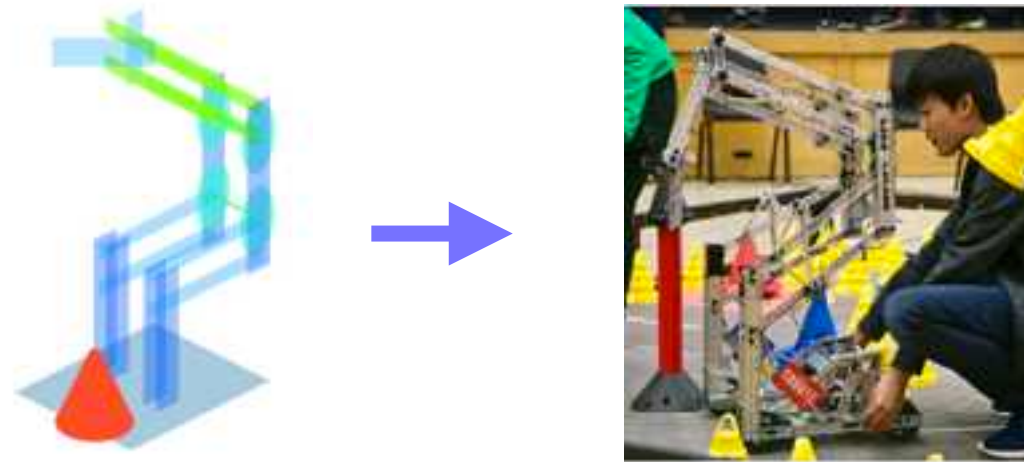
Team 10801Z at VEX Ontario Provincials

# TRUBOTICS

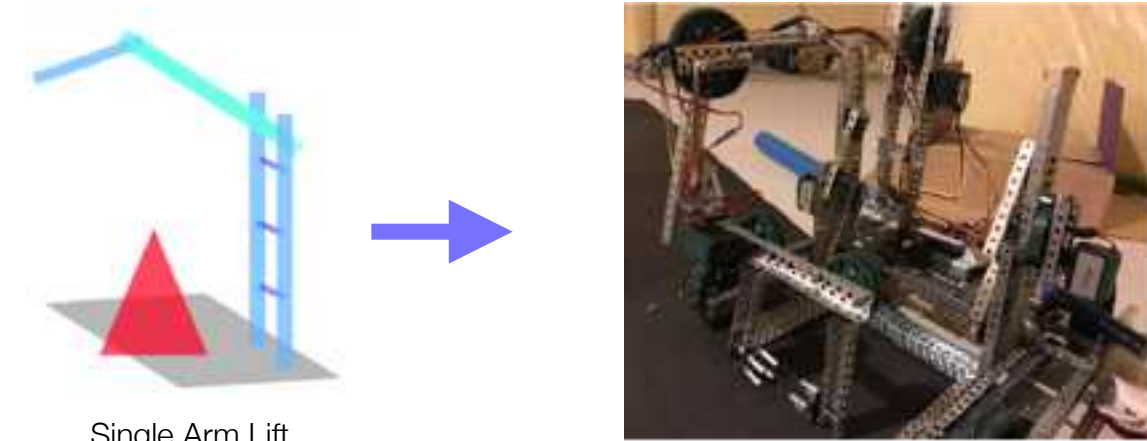
2017-2018

# ROBOT DESIGN

## LIFT MECHANISM

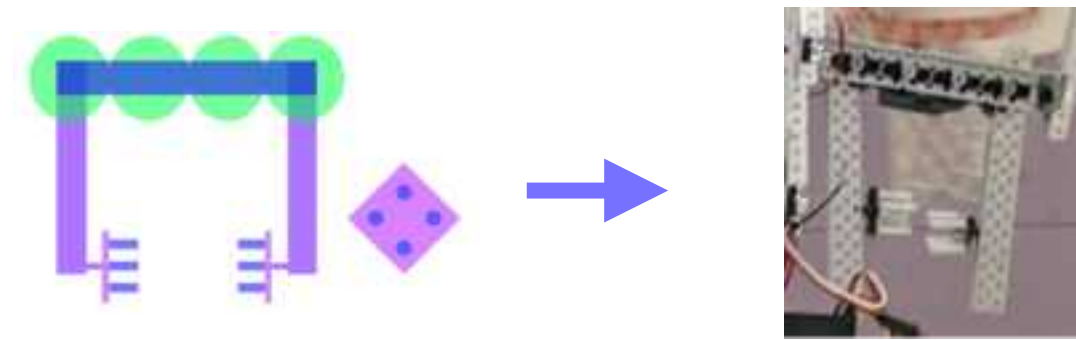


Double Reverse Four Bar

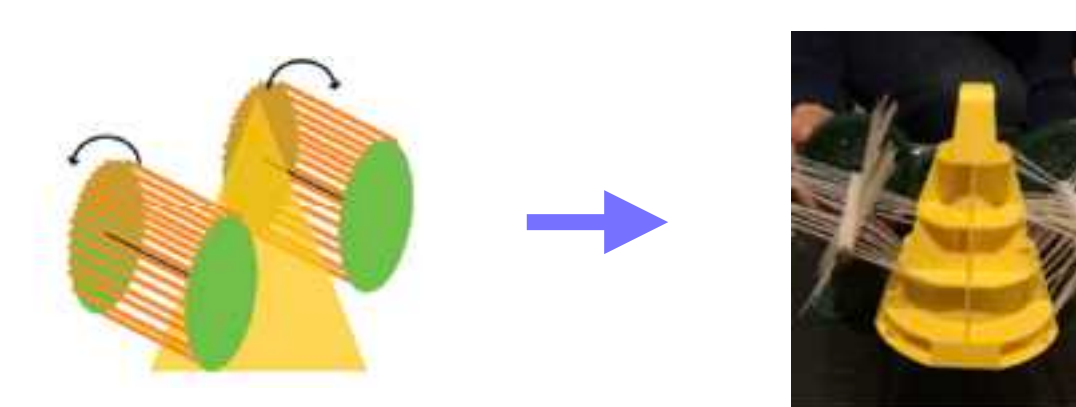


Single Arm Lift

## CLAW

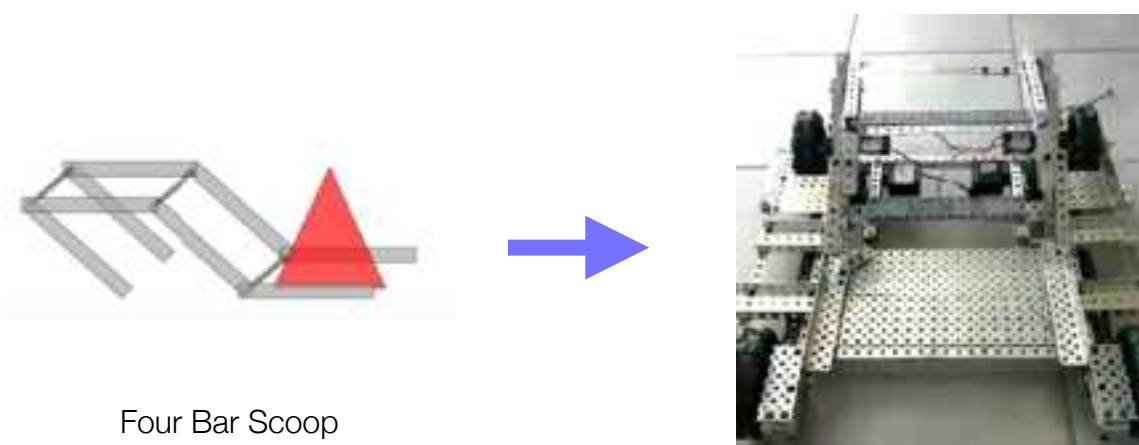


Fidget Spinner

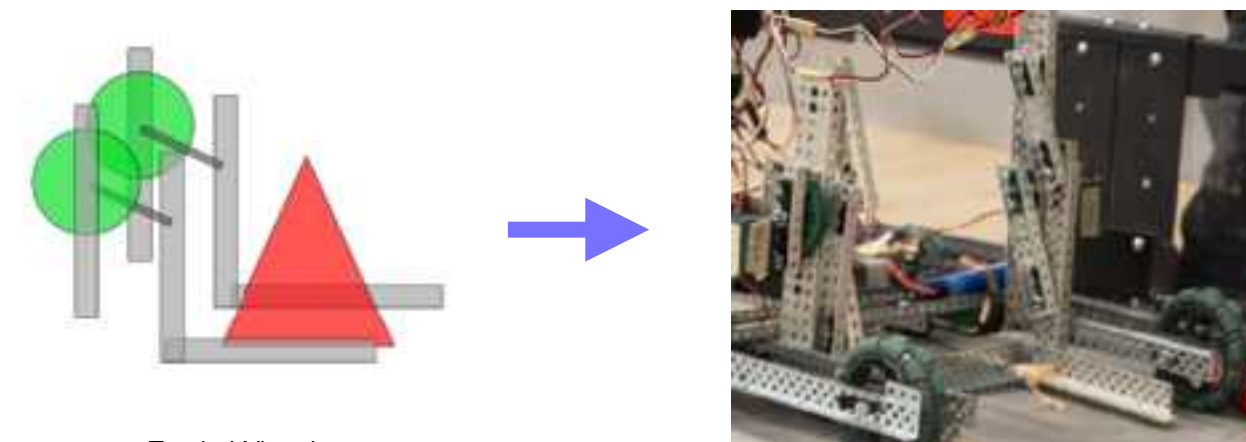


Rolling Intake

## MOBILE GOAL INTAKE



Four Bar Scoop

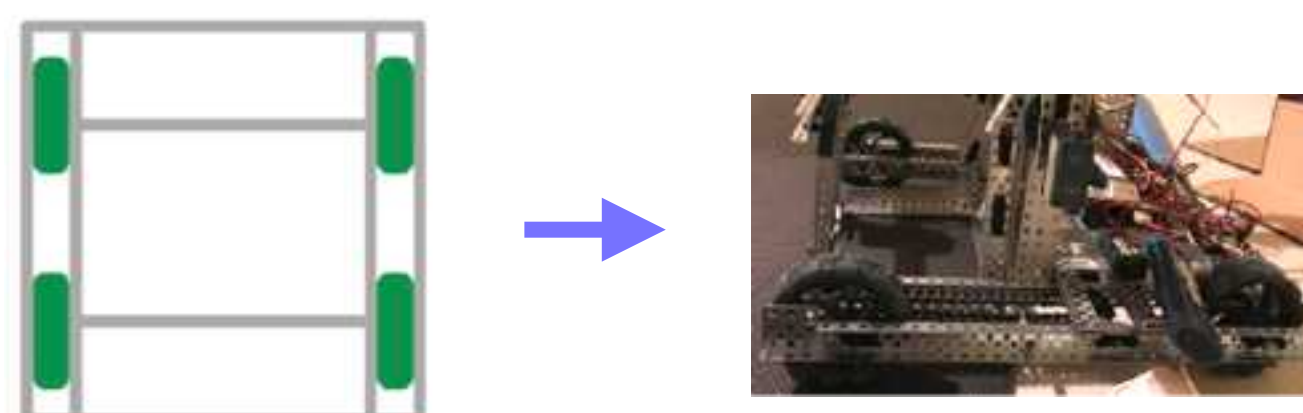


Ferris Wheel

## DRIVE BASE



Six Wheel H-Drive



Four Wheel H-Drive

From Low Fidelity Mockups  
To Making an idea Come to Life  
Then doing it all Again

## THE PROCESS WILL ALWAYS BE:

Ideation → Production → Reiteration

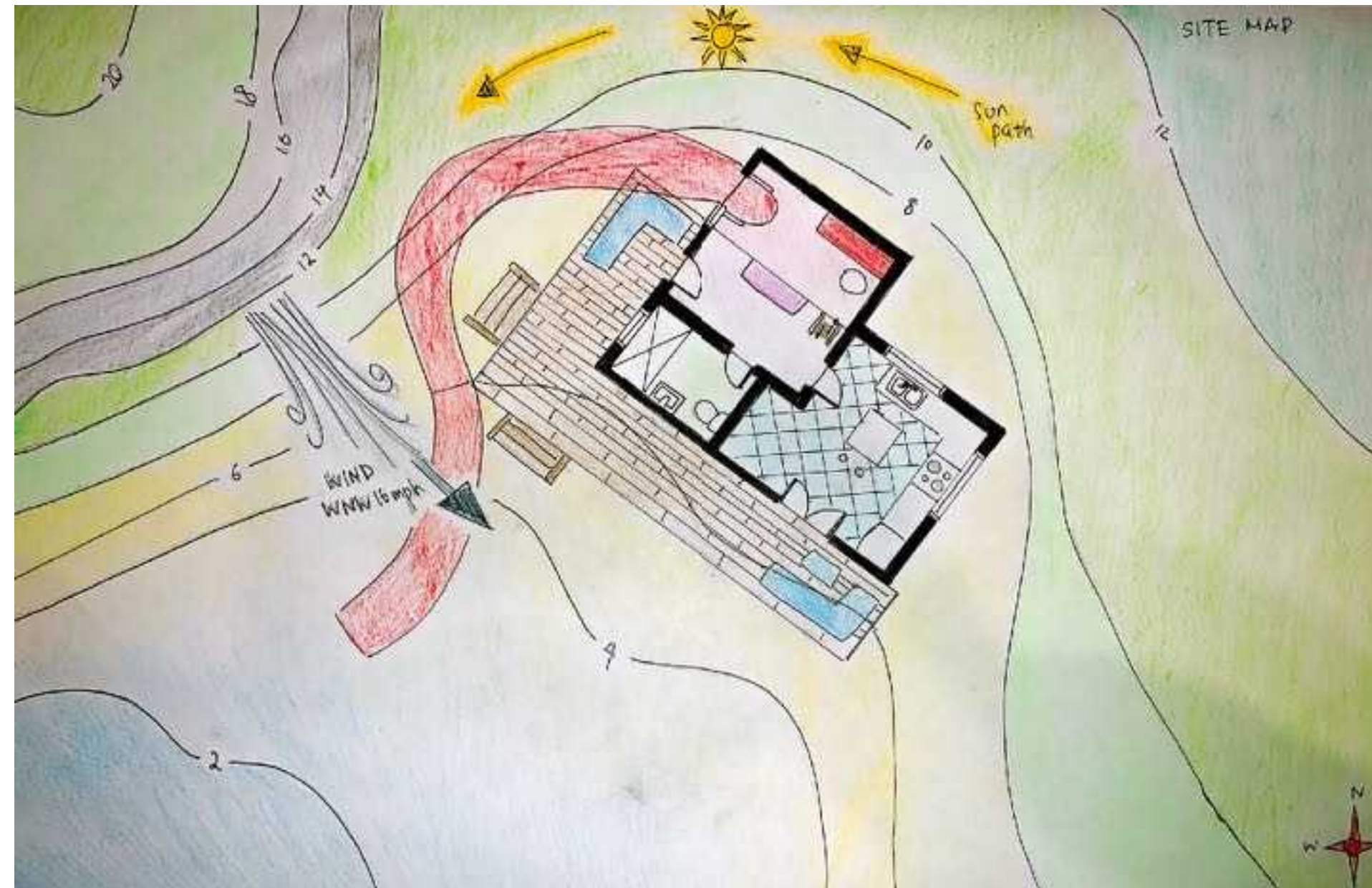
This is not to show impeccable engineering, but rather the engineering spirit of never giving up that I gained from my two years on Trubotics. This team is the reason why I value teamwork, when ideas fly off the walls during brainstorming and what may seem like dumb suggestions turns out to be the greatest combinations. We might've start off as amateurs, going into competition barely understanding gear ratios, but from an endless amount of trial and errors, we walk out as champions, even if it's only in our own hearts.

For Full Documentation, please visit [alexis-wei.github.io](https://github.com/alexis-wei)

# CHILD AT HEART

SPRING 2019 Design Project

When I think of my own tiny dream house, the first thing that I wanted add in 200 sq ft. was a play room with a giant slide that can take me into the ocean. I think just that fact makes me a Child at Heart, and that my sketches look like they're drawn from crayons sometimes.



Site Map Drawing of the House, located in a hidden cove surrounded by mountains and the ocean



3D Laser Cut model of the home



Behind anyone's work, there is a person with intentions, goals, and dreams.

These are mine:

I want to play with ideas and live in a world where nothing is impossible, be a free spirit who is not afraid to dream. To enjoy the quiet chatters of a coffee shop or the unique flavor of that ice cream cone, taking in every little detail of life. Making the impossible possible, the unnoticed noticeable, creating products that ultimately bring joy and excitement.



# THIS IS ME



ALEXIS WEI



**Thank you for taking your time to learn about my work and I.**

**I hope you have a great day and a life full of adventures!**

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