Product Design Portfolio

Andrew Brimer 2019

Project: Wing®

the first FDA-cleared smartphone sensor to measure lung function

Roles: Mechanical Engineering, Manufacturing, Product Design, Product Management, Graphic Design, Front End Development

Wing[®] Sensor



Roles: Mechanical Engineering, Prototyping, Product Design, Manufacturing, & Supply Chain

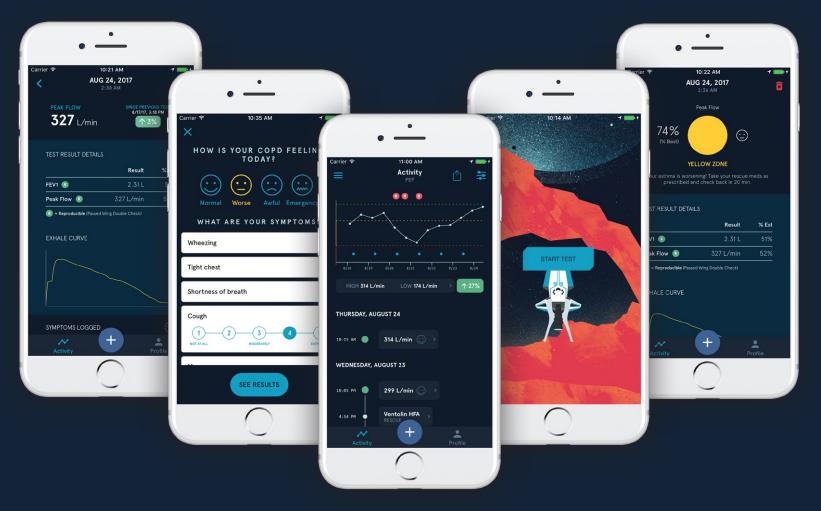




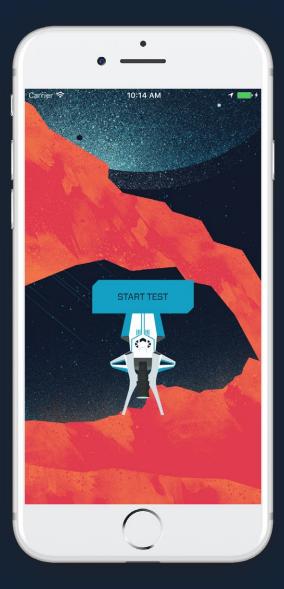




Wing[®] iOS App



Roles: Product Design, UX Design, Product Management, & Game Design



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Carrier 중 Ⅹ	10:35 AM	-1 💼 +
HOW IS	YOUR COPD F TODAY?	EELING
	Worse Awful E	
WHAT A Wheezing	RE YOUR SYMF	томѕҙ
Tight chest		0
Shortness of b	reath	0
Cough)	Extremely
C	SEE RESULTS	
	\bigcirc	

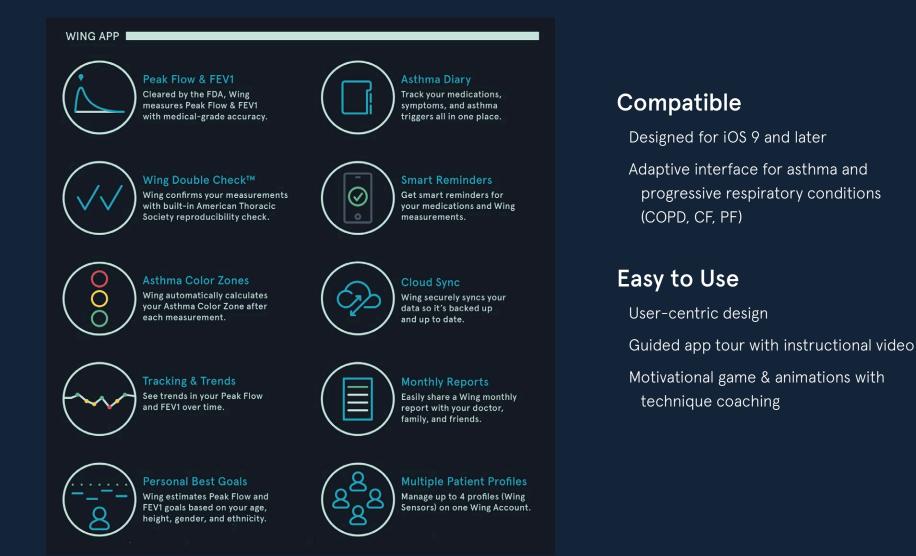
Closeup of Wing app screens, showing space-themed game during measurement & symptom feedback.



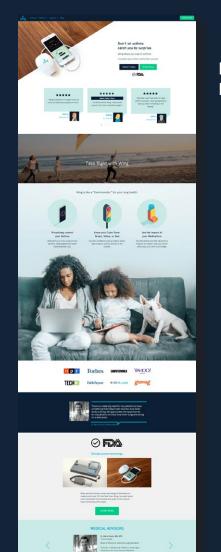


Closeup of Wing app screens, showing results after taking a measurement & tracking dashboard with event feed.

Wing[®] iOS App Features



Website - Wing[®]



Responsive Asthma Landing Page



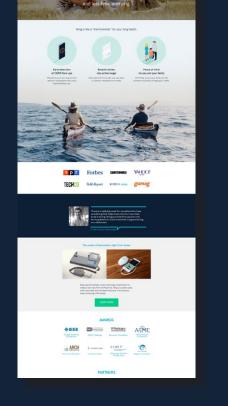
Responsive COPD Landing Page

C RAS

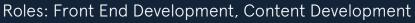
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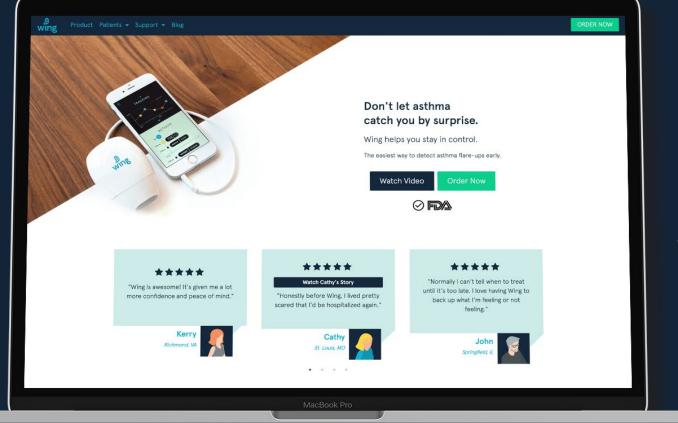
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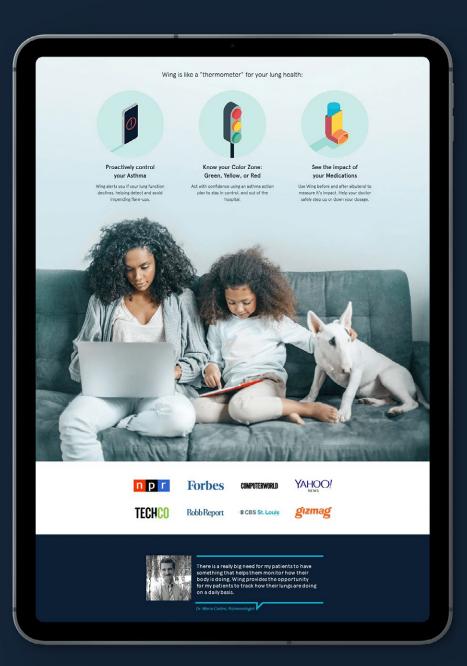


(Mobile Screen)





Closeup of Wing landing page showing the product, user testimonials, and calls to action.



Closeup of section of the Wing landing page showing the core values of the product to help proactively manage asthma.

Pitch Deck - Wing[®]

(Selected Slides)



Roles: Graphic Design, Content Development



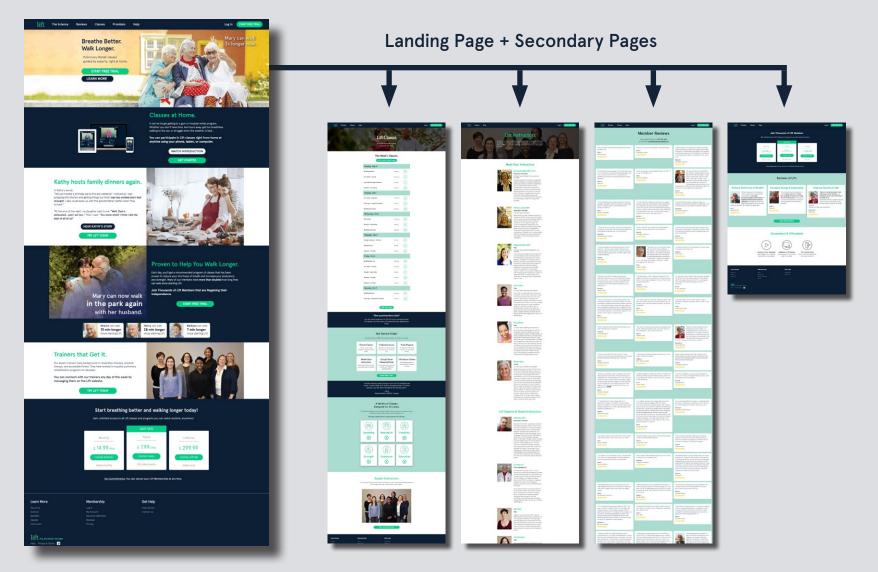
Closeup of a slide introducing the product Wing.

Project: Lift Pulmonary Rehab

video-based education & rehabilitation program for people with COPD & other respiratory conditions

> Role: Product Design, Product Management, Graphic Design, Front End Development

Website - Lift Pulmonary Rehab



Roles: Visual Design, Front End Development, Content Development

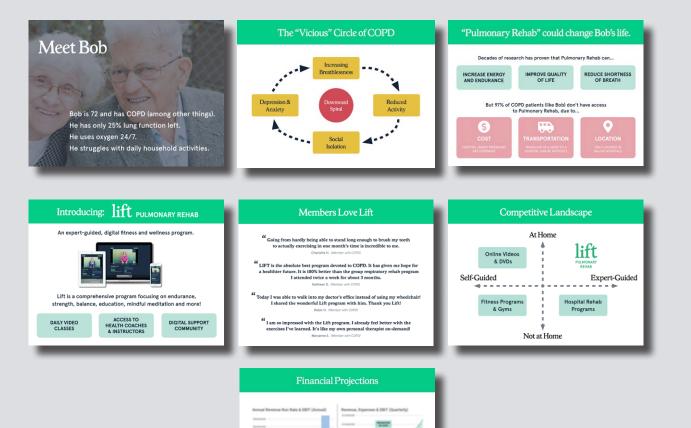


Closeup of landing page for Lift Pulmonary Rehab.

This page focuses on the positive impact for people with COPD of participating in the Lift program.

Pitch Deck - Lift Pulmonary Rehab

(Selected Slides)

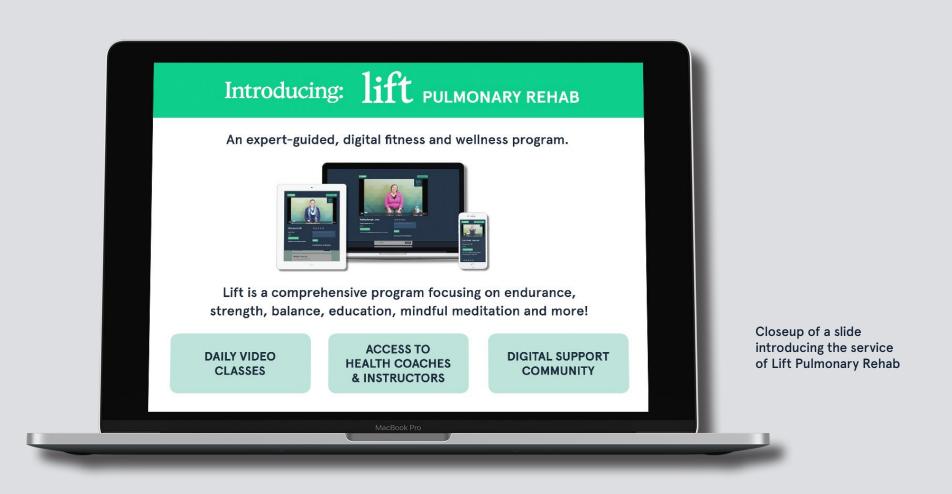


Roles: Graphic Design, Content Development

Reach profitability in Q2 2020, then grow marketing spend by +10% each month.

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Product Brochures & Info Sheets



lift **Products & Services FUNCTION**

Available Now:

Lift Membership All-Access Pass, watch anywhere, anytime

	SAVE 50%	
Monthly	Yearly	Lifetime
\$ 14.99/mo	\$ 7.99/mo	s 299.99
CHOOSE MONTHLY	CHOOSE YEARLY	CHOOSE LIFETIN
billed monthly	\$95 billed yearly	billed once

Coming Soon:



Can I try some more classes before I commit? t them up with an account without payment information and they will have a rree trial. with them when they are going to do their first day of classes. I'm they can get to the website and know how to get in touch with you. tule when you should check back in to see how it is going.

ong has Lift been around? ng nas Litt been around: owner, Abby Cohen, started the business in 2013 with a mission of helping ple live better and remain independent as they age. he company headquarters are in St. Louis. Missour have over 1,500 members using Lift across the country

to I get back to Lift Functional Fitness? Or How do I watch classes? watch classes on our website or on our app et back to Lift, they go to the website: copdlift.com te they are logged in, all they have to do when they get to the website is click

ey have any trouble they can call us at 877-869-6023. be same classes over and over or are there new classes? end a new set of classes every day and we add ses! We rec es on a weekly and monthly basis.

ave to participate at a specific time or place? ye can participate whenever they want, whenever they are feeling their best. ticipate from home, don't need any specific equipment

if I miss a day? a can go at your own pace will hold your spot - come back after a few days or later that day and continue ere you left off es every week, but you can always go back to previous days of classes ain the Favorites feature and the On Demand feature

watch classes more than once? re: You can add classes to your favorites to easily find them in the ttch classes e and rewatch classes e and play class feature: You can always pause a classes or replay a class class feature: You can always skip a class you don't want to take

lift **Example Schedule**

Participate in Lift classes from the comfort of home at anytime ch day, Lift recommends a new set of classes.

can easily return to previous days to watch earlier classes

ay, Apr 15	Total Duration: 24 min	Thursday, Apr 18	Total Duration: 19
Marm Up	Breathing (35)	Let's Walk! - Warm Up	Enterance
ad + Jettervalla	Enderance	Strength & Flexibility - Chair Toga	Texbility
serches .	inergin (E)	Breathing Cool Down	Breathing
· Lower Body	Headailte 👘	Friday, Apr 19	Total Duration: 28
ay, Apr16	Total Duration: 40 min	Dance Class - Mambo	Endurance
d - Marm Up	Indurance 🚯	Strength - Upper Body	Strangth (
- Full Body	menter (E)	Fissibility - Upper Body	Fieldity (
vactice	seegn 🕑	Breathing Cool Down	Breaking
· Full Body	Readerity 🍙	Saturday, Apr 20	Total Duration: 21
Cour Down	Breathing (38)	Breathing Exercise	Breathing
rsday, Apr 17	Total Duration: 36 min	Posture Practice	Brough
Marm Up	Beatron (66)	Fiexibility - Core	Fierbilty (
kf - Endurance	Induneos 🚯	Relaxation Practice	Mediation
· Upper Body	itengh 🕑		
Entration	terengin (E)		
· Full Body	mandality (20)		

About the Company

lift

Company History en and Andrew Brimer started Sparo in 2012 as students at Washington Longing the London set while the set of the

chieving FDA clearance for Wing as the first smartphone-connected devic ing lung function and selling out of their first batch of product, Abby and v saw a broader opportunity to make an impact.

g People Regain Independence

g People Kegain Independence ind Andrew saw that many people with COPD struggle to stay independent due tress of breath, strophied muscles, fear of faling, and anxiety. After putting er a team of physical therapists, respiratory therapists, doctors, and speciald fitness instructors, Sparo launched Lift Pulmonary Rehab in 2017 to help ncrease their stamina and strength, reduce shortness of breath, and improve ntal wellness

.500+ people using Lift across the country, the Sparo team saw the huge im-of the program on people's lives. On average, Lift members increase the distance an walk by over 150% in just a few months of following the Lift the program. But, acro team also saw something else - doctors, friends, and family were asking embers about what had helped them improve so much. Ver quickly, al types ple struggling with mobility and independence (not just those with COPD) were ing out to the Sparo team to see if they could use the Lift program to help them their quality of life and regain their independence.

nd Andrew rebranded Lift Pulmonary Rebab to "Lift Functional Fitness" and ex the program in 2019 to bring the benefits of the program to anyone that was set stamina, strength, and balance, improve their mobility, and regain their ce and independence.

s and Recognition for The Founders and Team bby Cohen and Andrew Brimer named to the Forbes 30 Under 30, Healthcare List paro Selected to Present their Innovative Products at the First Ever Whitehouse

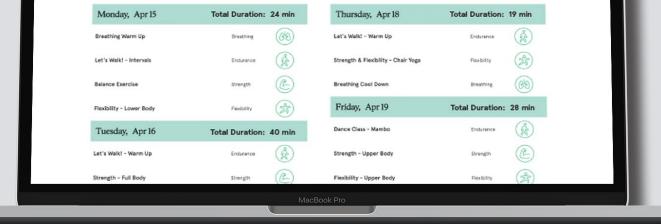
aro Day aro Won CIMIT Technology Prize for Primary Care saro Won the IEEE Change the World Competition



- Participate in Lift classes from the comfort of home at anytime.
- Each day, Lift recommends a new set of classes.

FITNESS

- You can easily return to previous days to watch earlier classes



Closeup of example schedule page showing a typical week of Lift Pulmonary Rehab classes.

Business Plans & Investor Materials



Roles: Graphic Design, Content Development

Project: Game & Map Design

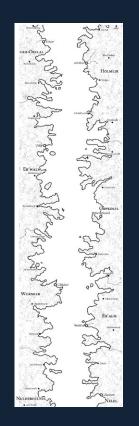
cartography generation & board game design

Roles: Front End Development, Graphic Design, Game Design

Infinite River Map Generator



Added global terrain vector constraints to form coastline



Integrated simplex noise to create central river



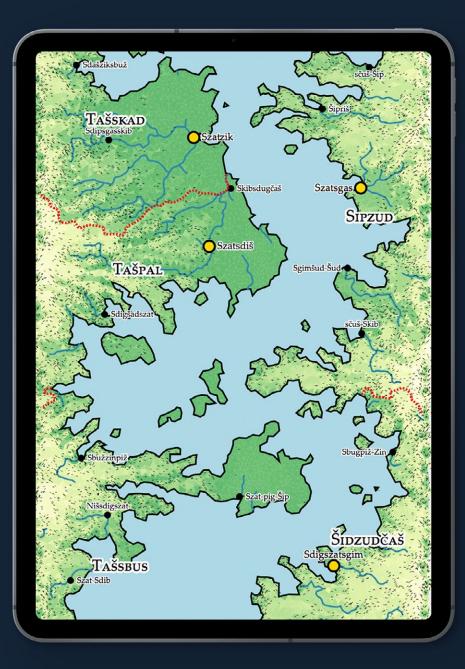
Added color, updated simplex noise and erosion mechanics



Added dynamic color based on terrain, forced terrain alignment



Initial Procedural Map Generator (JS source project)



Closeup section of the river. Simulated meander through simplex noise with erosion bounded by vertical edges.

Dynamically colored based on terrain.

Board Game Design



Game Design (Medieval Theme)



X-73B

REBELIA

THE

FÉNN

PSIRIS

KLORIK

WAXA

RE-GARA

EV. VE

HOLREA

SCAAR

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MAGRÉ

NÛNÛN

LÜÜRA

YEWOP

Game Design (Moon Base Theme)



Closeup of planetary system game where competing factions vie to gain control in a growing power vacuum.

Thank You!

Andrew Brimer 2019

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