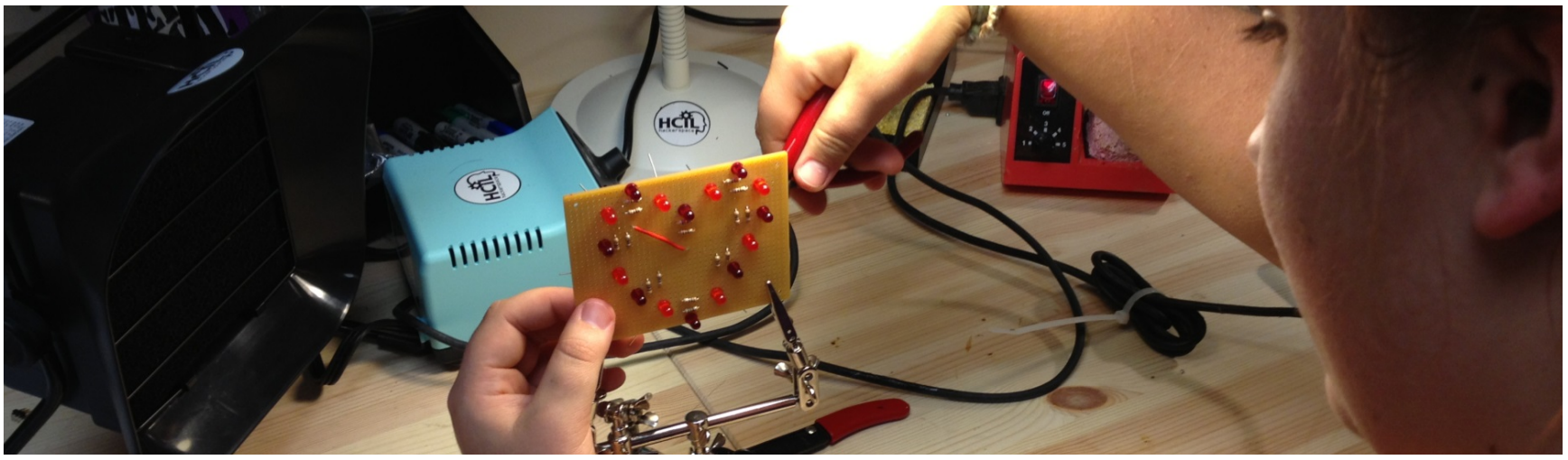
Landing Page Mocks



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Making with a Social Purpose
Jon Froehlich | March 16, 2015 | American University

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Jon Froehlich | March 16, 2015 | American University

Characterizing Physical World Accessibility at Scale Using Crowdsourcing, Computer Vision, and Machine Learning
Jon Froehlich | Oct 29, 2014 | CMU HCII

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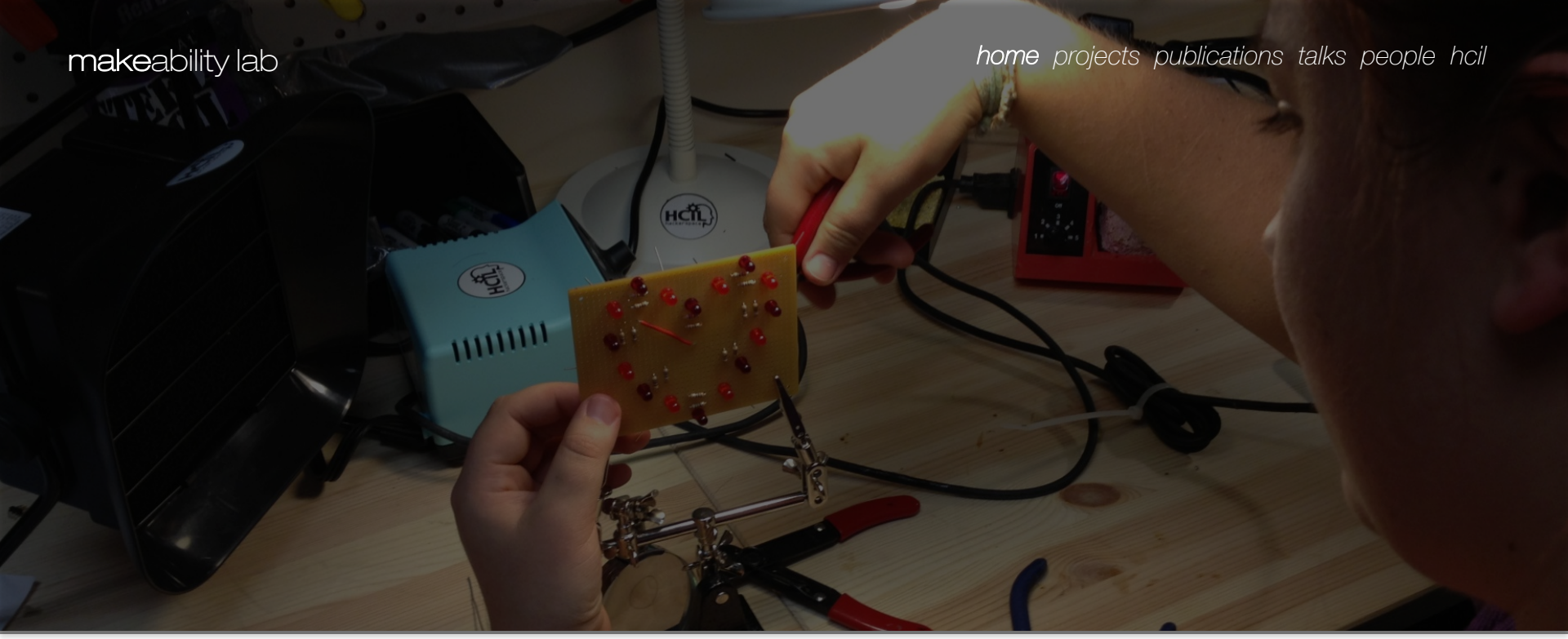

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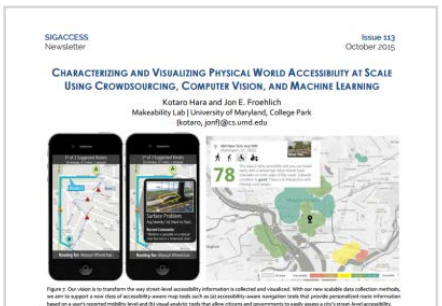
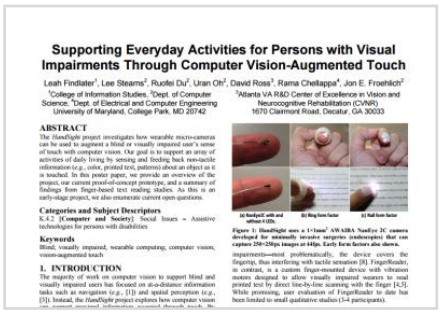
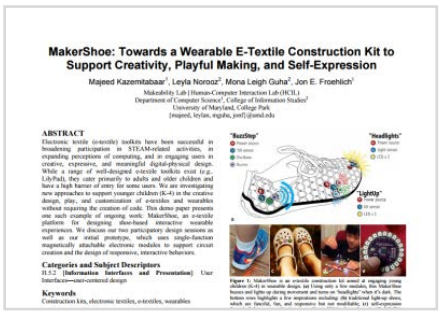


Characterizing and Visualizing Physical World Accessibility at Scale Using Crowdsourcing, Computer Vision, and Machine Learning
Kotaro Hara, Jon E. Froehlich
SIGACCESS Newsletter '15
Project Sidewalk



Supporting Everyday Activities for Persons With Visual Impairments Through Computer Vision-Augmented Touch
Leah Findlater, Lee Stearns, Ruofei Du, Uran Oh, David Lee, Rama Chellappa, Jon E. Froehlich
Poster Proceedings of ASSETS'15
HandSight



MakerShoe: Towards an E-Textile Construction Kit to Support Creativity, Playful Making, and Self-Expression
Majeed Kazemitabaar, Leyla Norooz, Mona Leigh Guha, Jon E. Froehlich
Poster Proceedings of IDC'15
MakerWear

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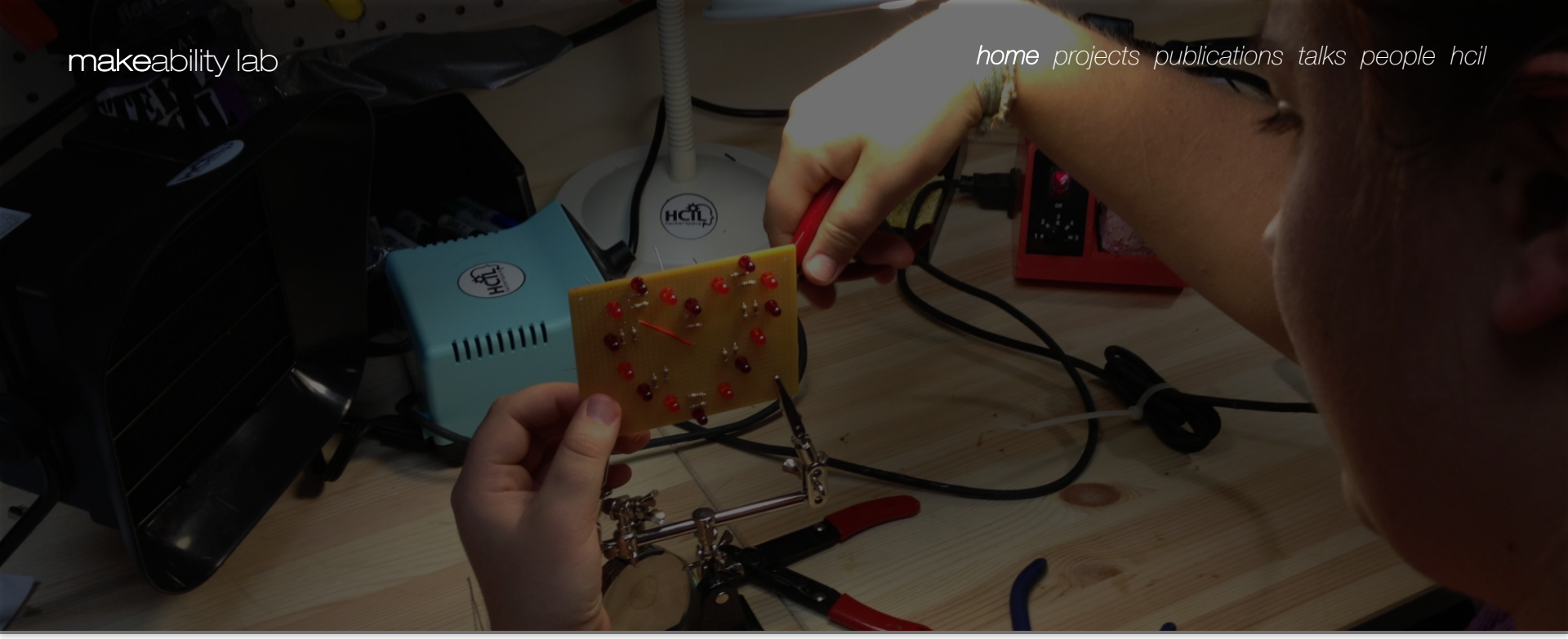

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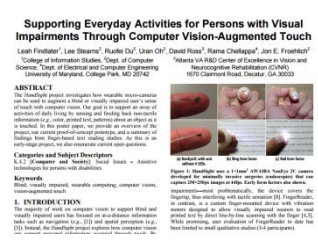

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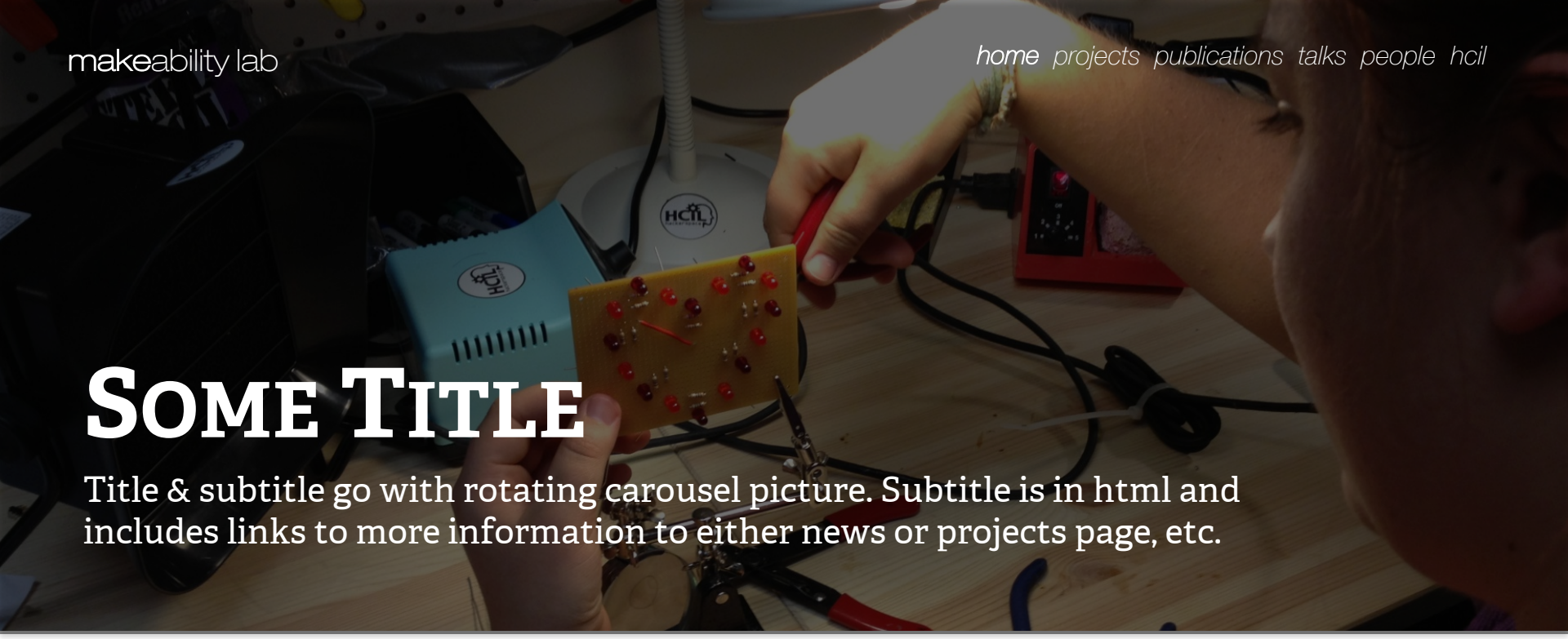

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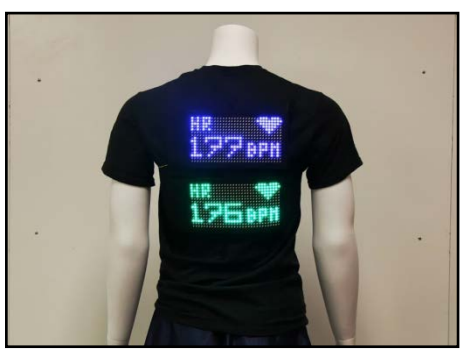

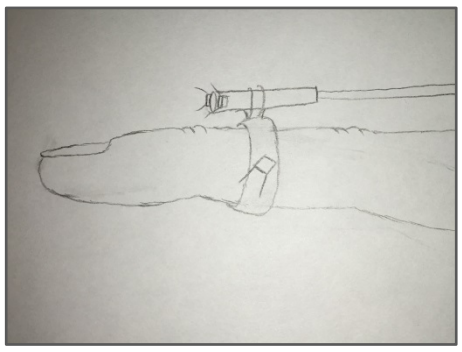

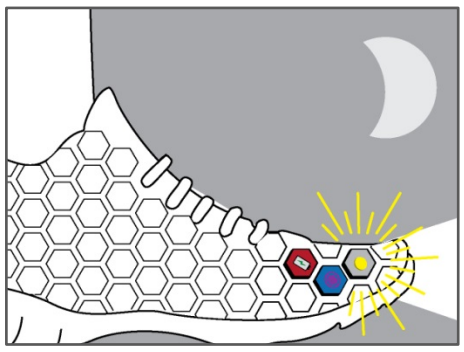

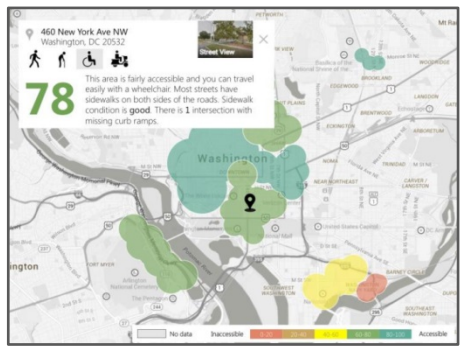

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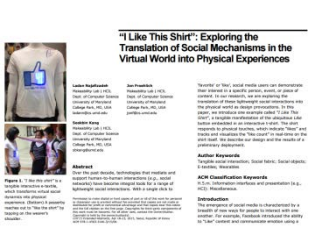

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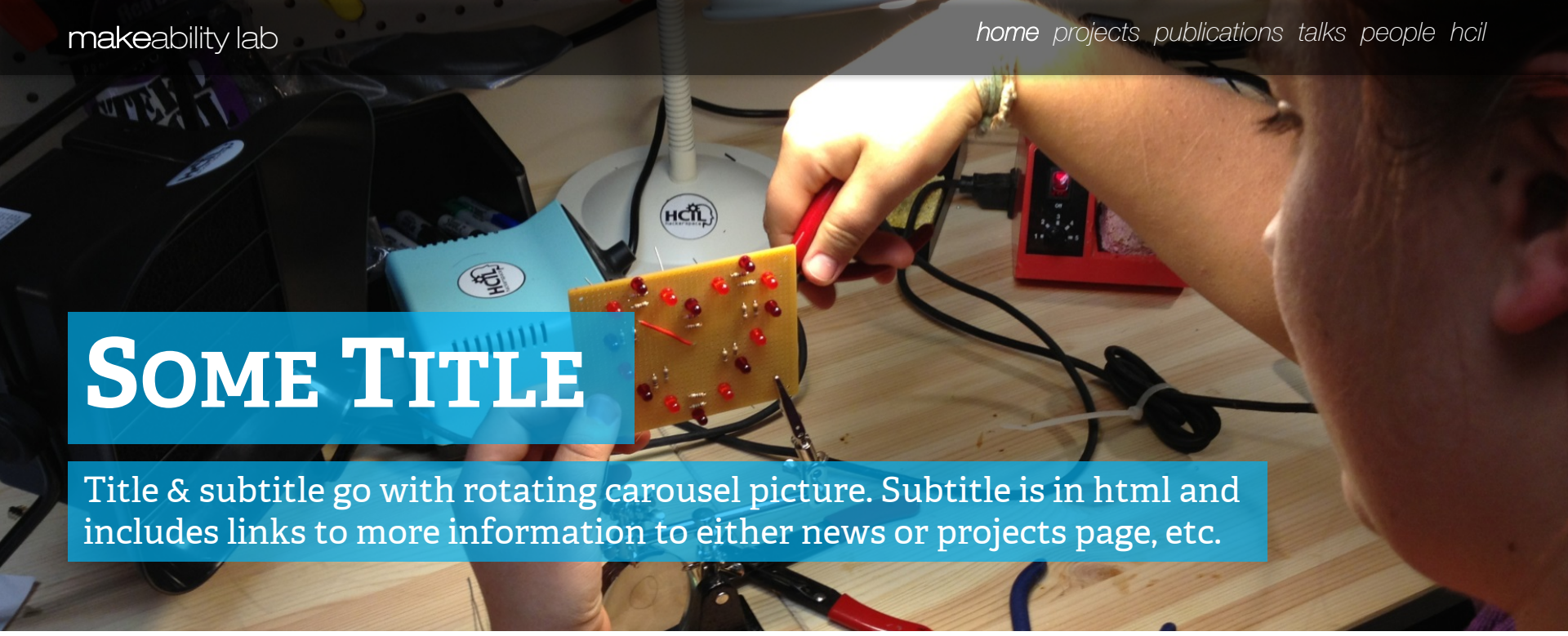

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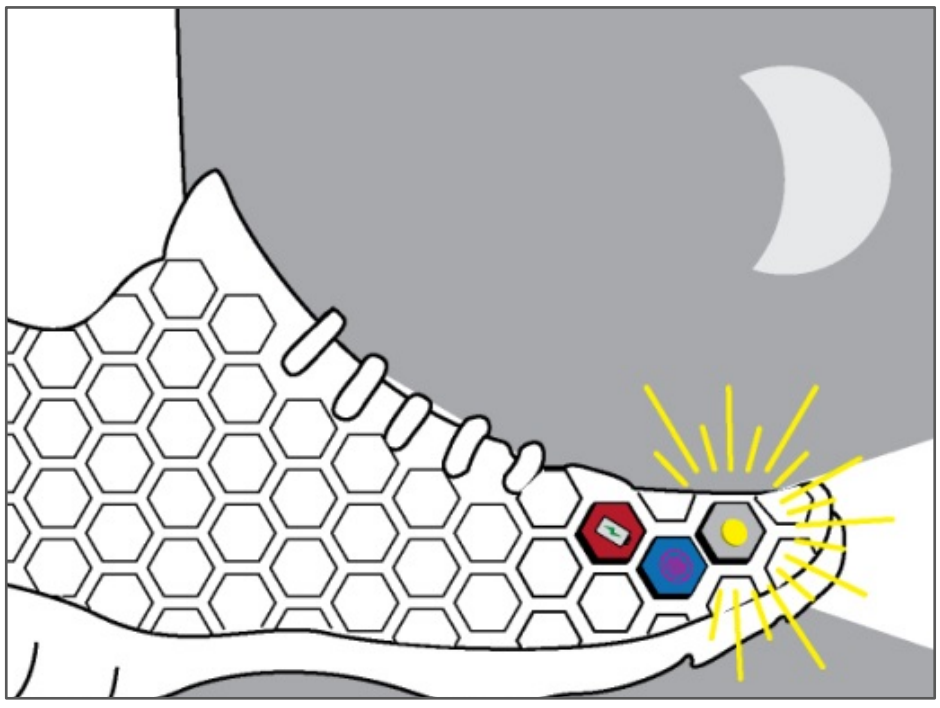

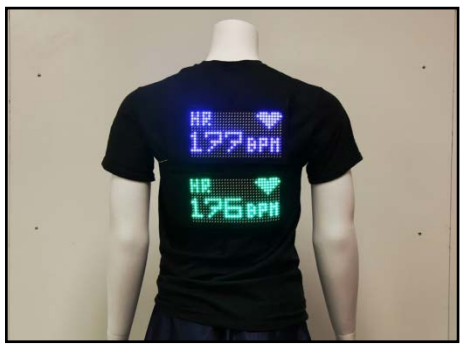

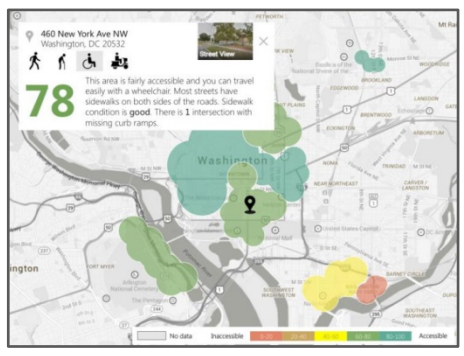

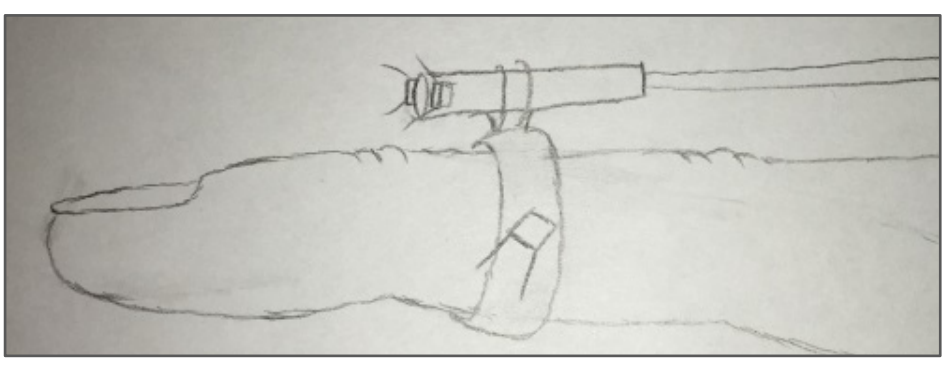

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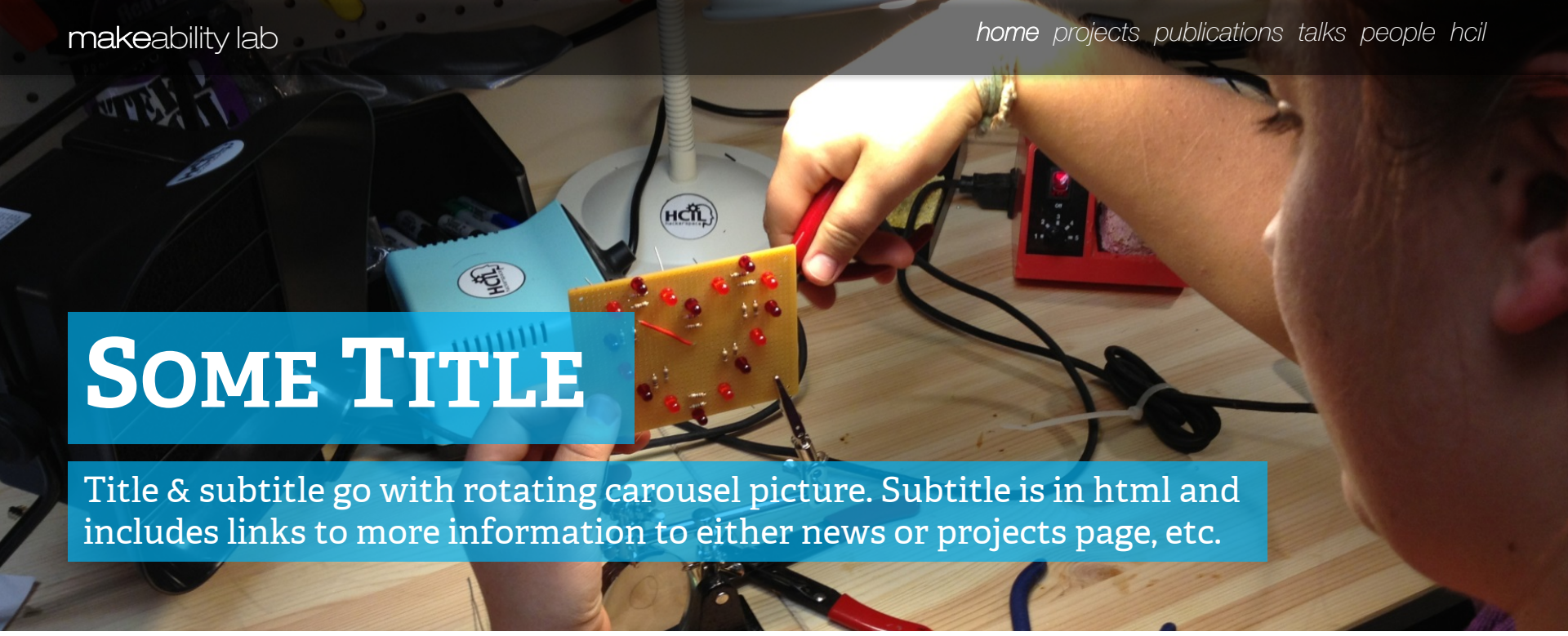

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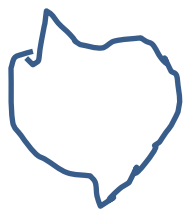

Research Area 1
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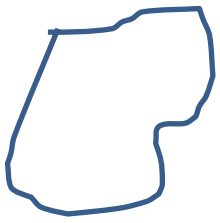

Research Area 2
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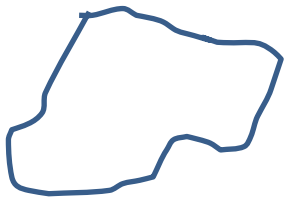

Research Area 3
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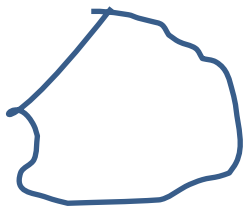

Research Area 4
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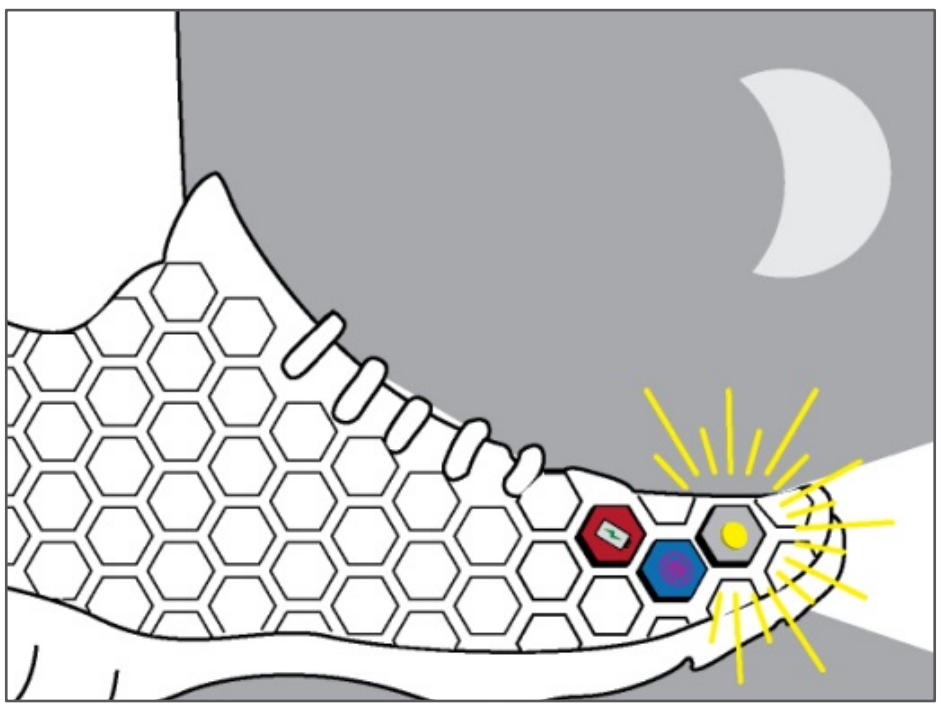

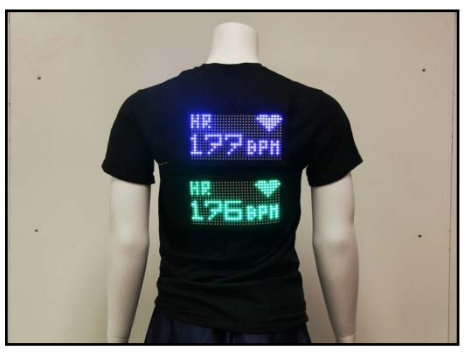

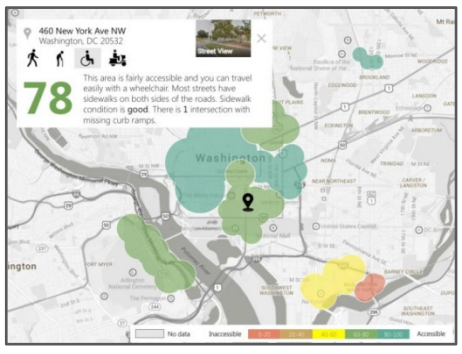

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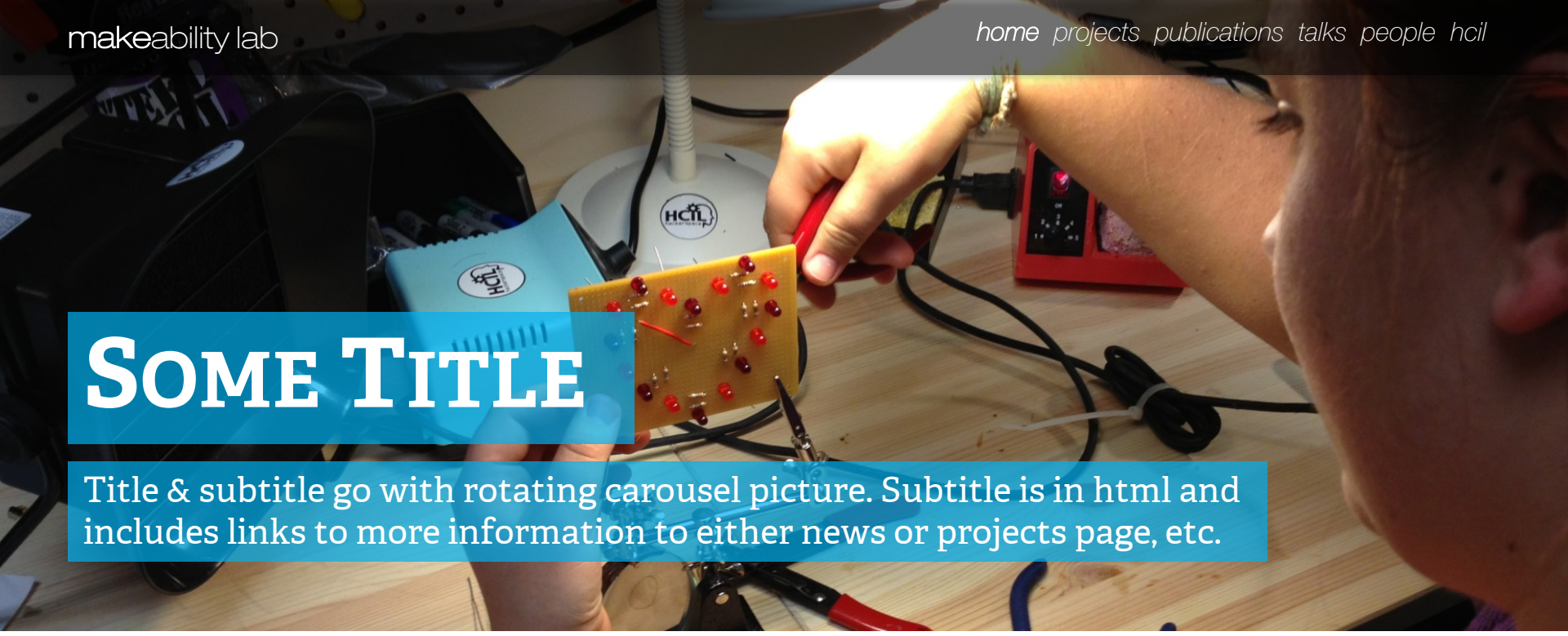

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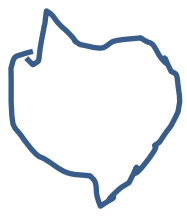

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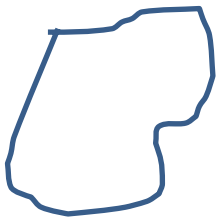

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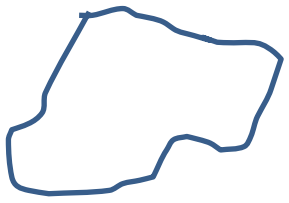

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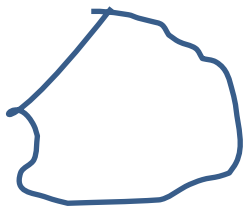

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Recent Tweets

Jon Froehlich Retweeted
Hillary Clinton @HillaryClinton
You literally said all those things. hrc.io/22CyaZB twitter.com/realDonaldTrum…
03 Jun

Matthew Louis Retweeted
Greg Walsh @gxwalsh
I have been working with my 1st grader on HOURS of busy work homework. I feel bad for her if her teacher thinks this is learning.
03 Jun

Matthew Louis Retweeted
Dirigiballers @Dirigiballers
Thank you for a successful Steam Launch; have fun riding the rails! store.steampowered.com/app/372350

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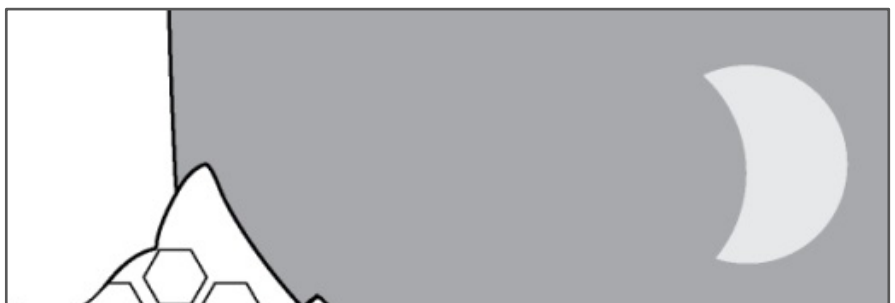

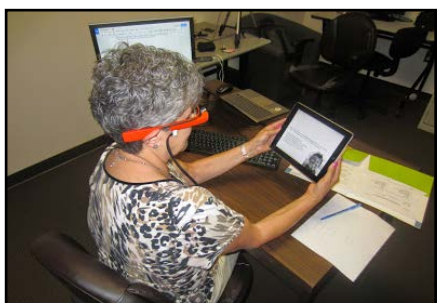

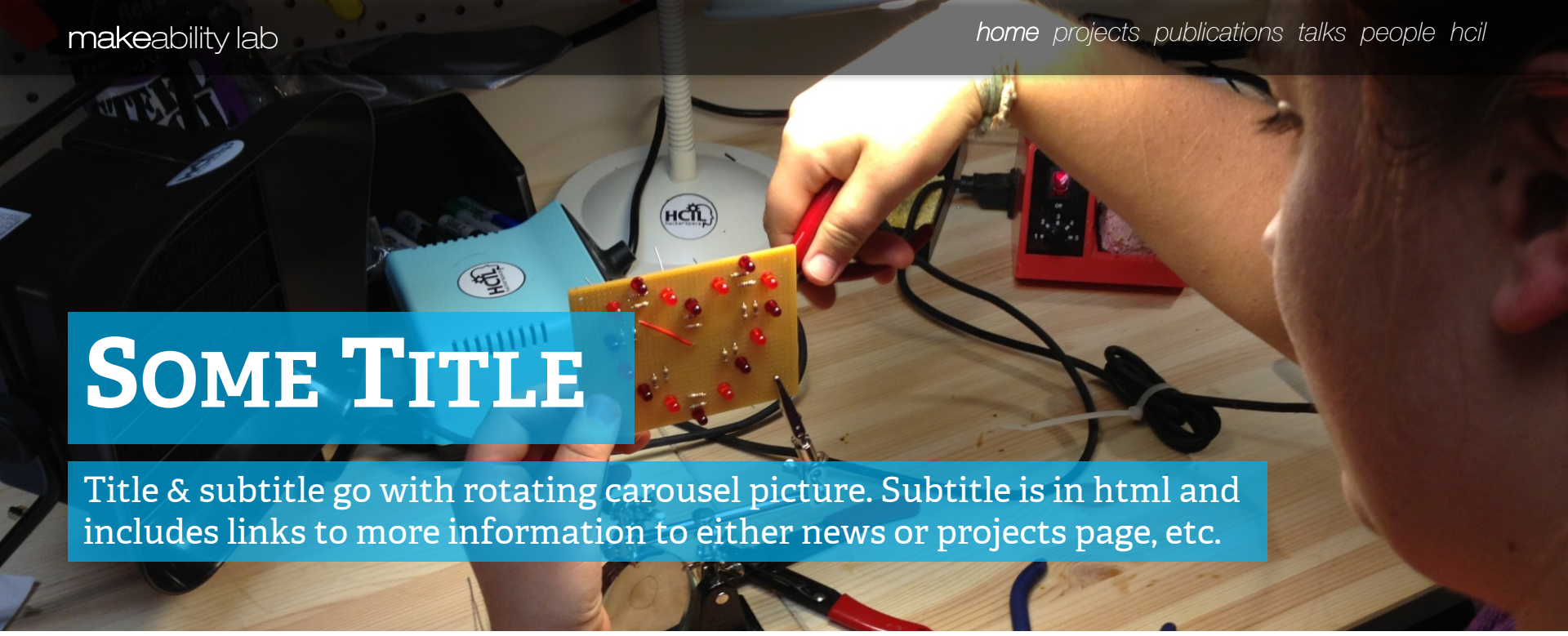

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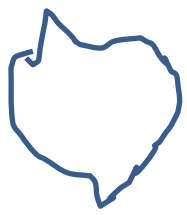

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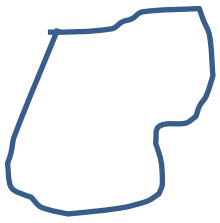

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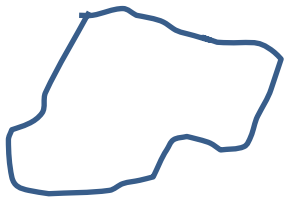

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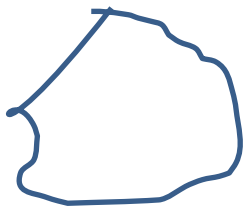

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Evaluating Haptic and Auditory Directional Guidance to Assist Blind People in Reading Printed Text Using Finger-Mounted Cameras
Lee Stearns, Ruofei Du, Uran Oh, Catherine Jou, Leah Findlater, David A. Ross, **Jon E. Froehlich**
ACM Transactions on Accessible Computing (TACCESS) 2016 *To Appear*
keywords: accessibility, wearables, visual impairments, handsight, real-time ocr, blind reading

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SharedPhys: Live Physiological Sensing, Whole-Body Interaction, and Large-Screen Visualizations to Support Shared Inquiry Experiences
Seokbin Kang, Leyla Norooz, Vanessa Oguamanam, Angelisa Plane, Tamara L. Clegg, **Jon E. Froehlich**
Proceedings of IDC 2016
keywords: sharedphys, bodyvis, physiological sensing, large-screen displays, mixed-reality, scientific inquiry, collaborative learning, stem, wearables

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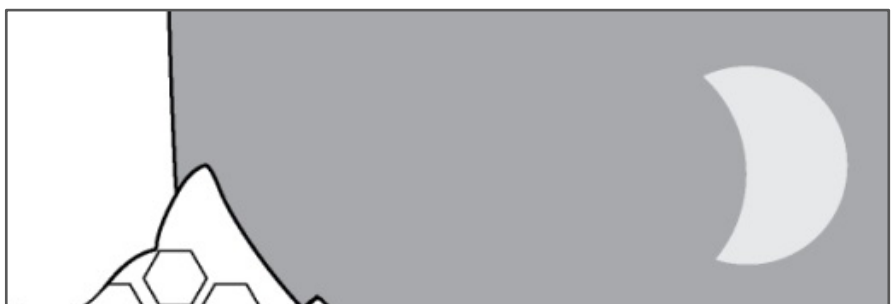
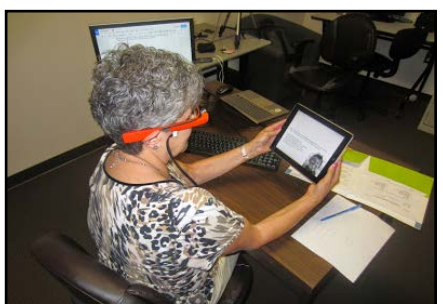
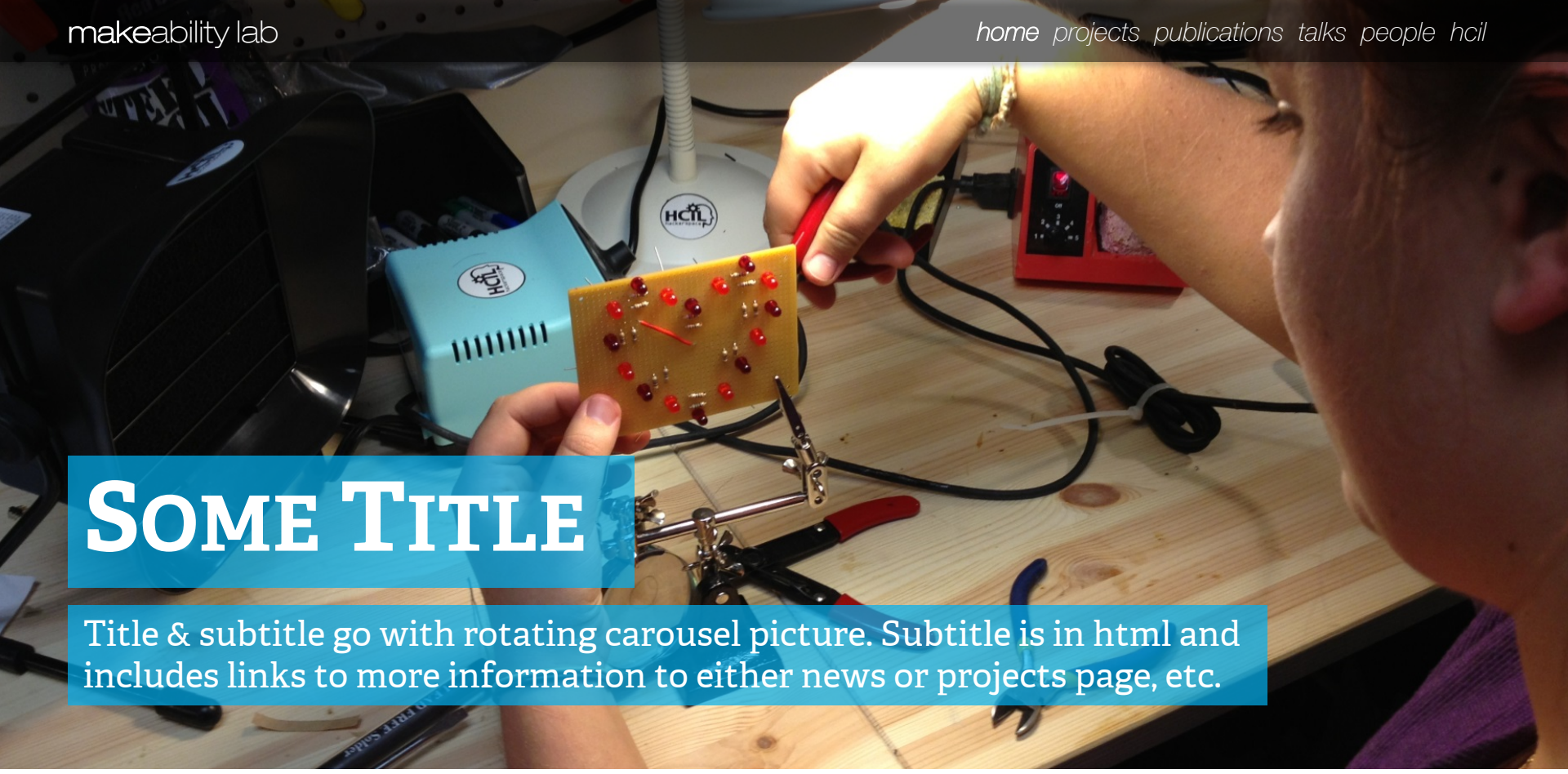
"That's Your Heart!": Live Physiological Sensing & Visualization Tools for Life-Relevant & Collaborative STEM Learning
Leyla Norooz, Tamara L. Clegg, Seokbin Kang, Angelisa Plane, Vanessa Oguamanam, **Jon E. Froehlich**
Proceedings of ICLS 2016
keywords: sharedvis, bodyvis, physiological sensing, large-screen displays, mixed-reality, scientific inquiry, collaborative learning, stem, wearables

Recent Projects







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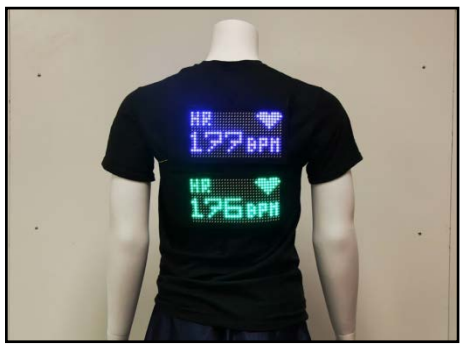
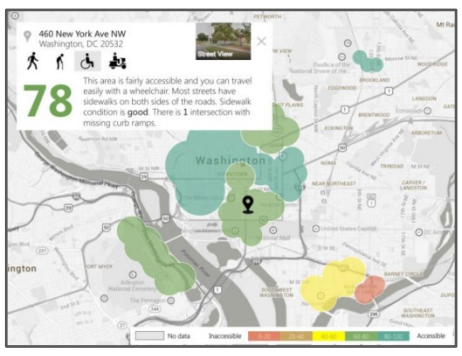
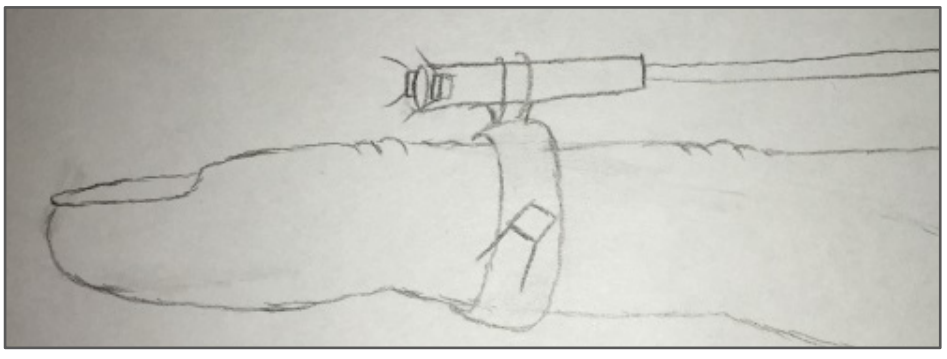
Recent Projects

MakerShoe

Some subtitle here that sounds super awesome







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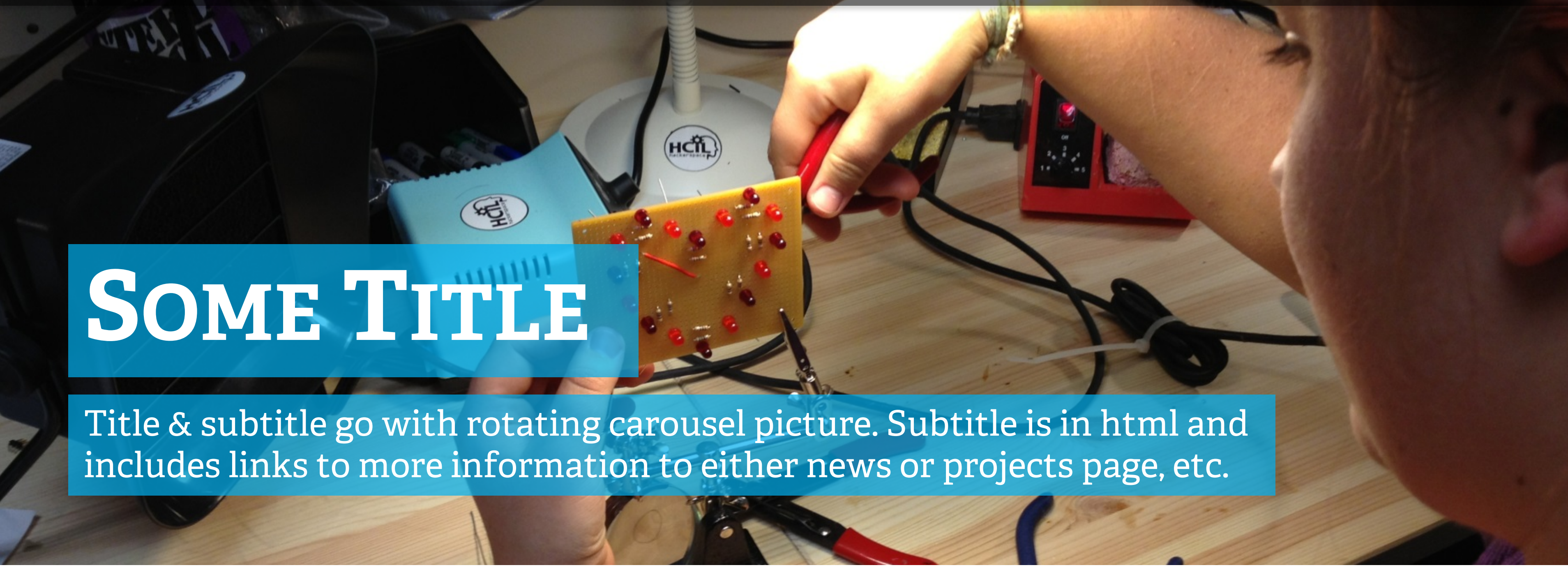

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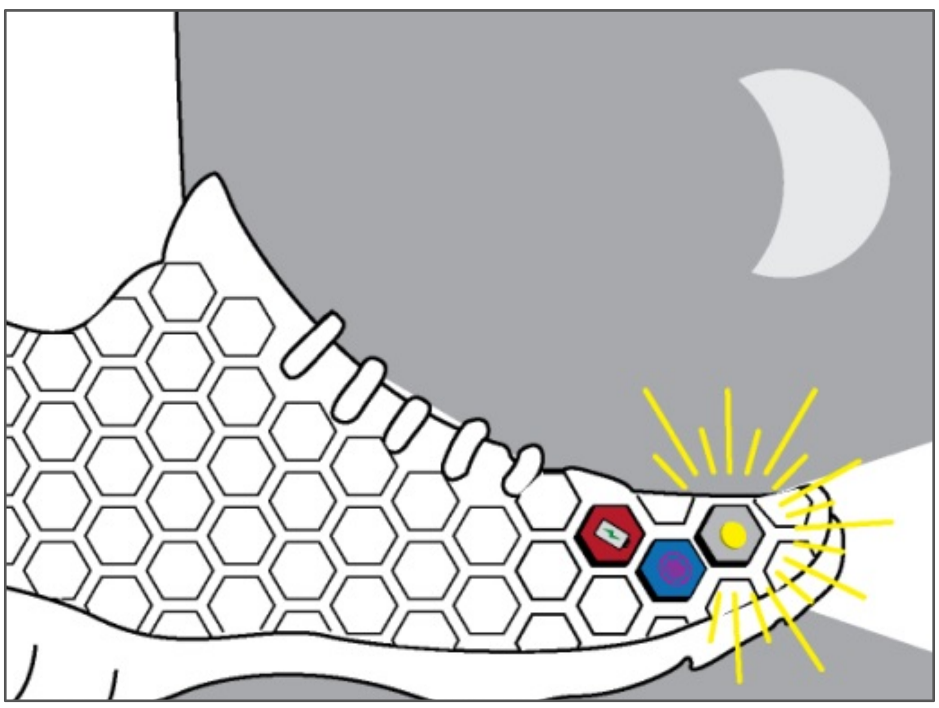

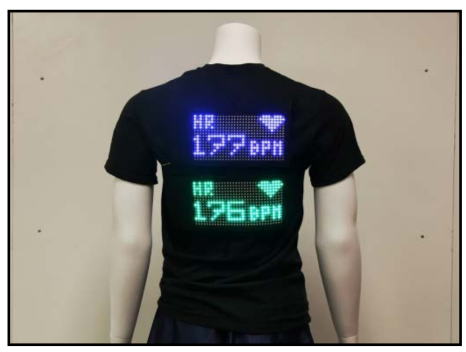

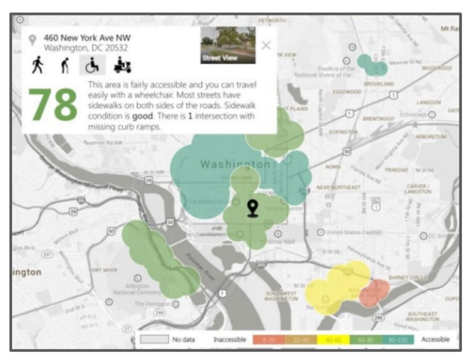

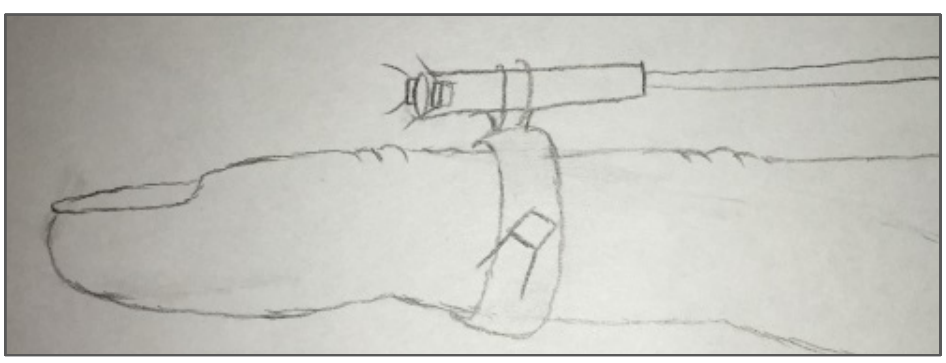

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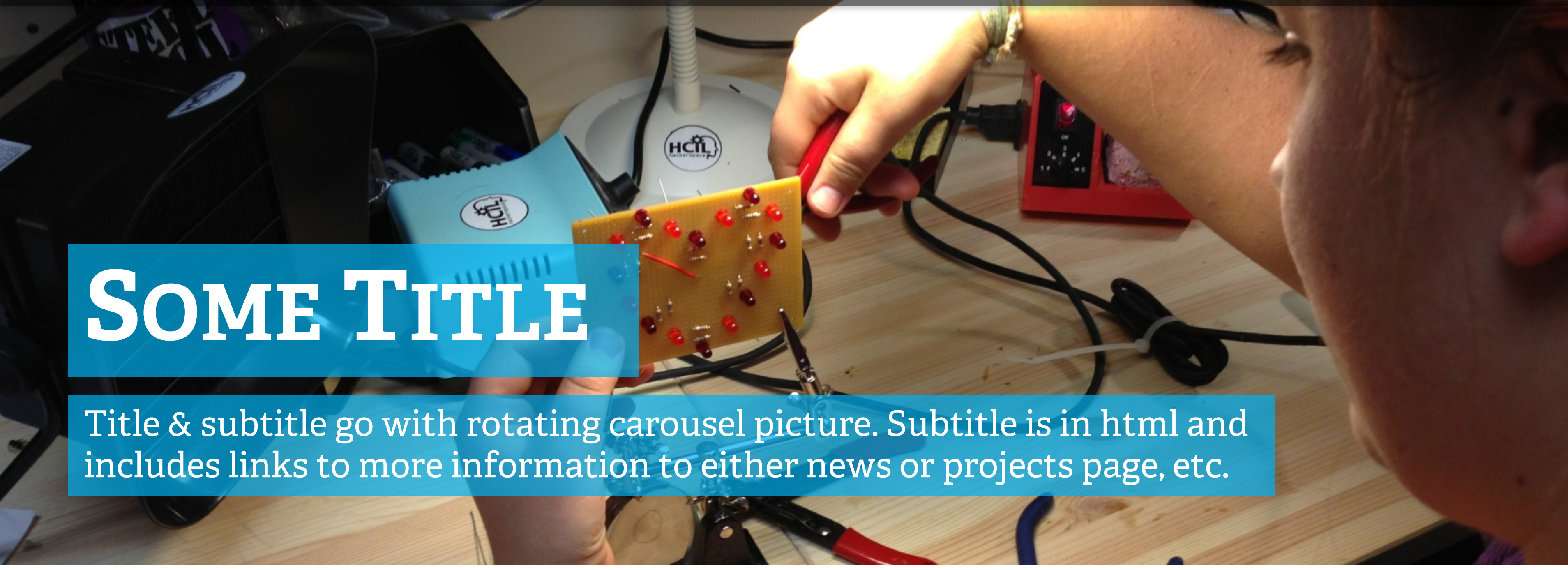

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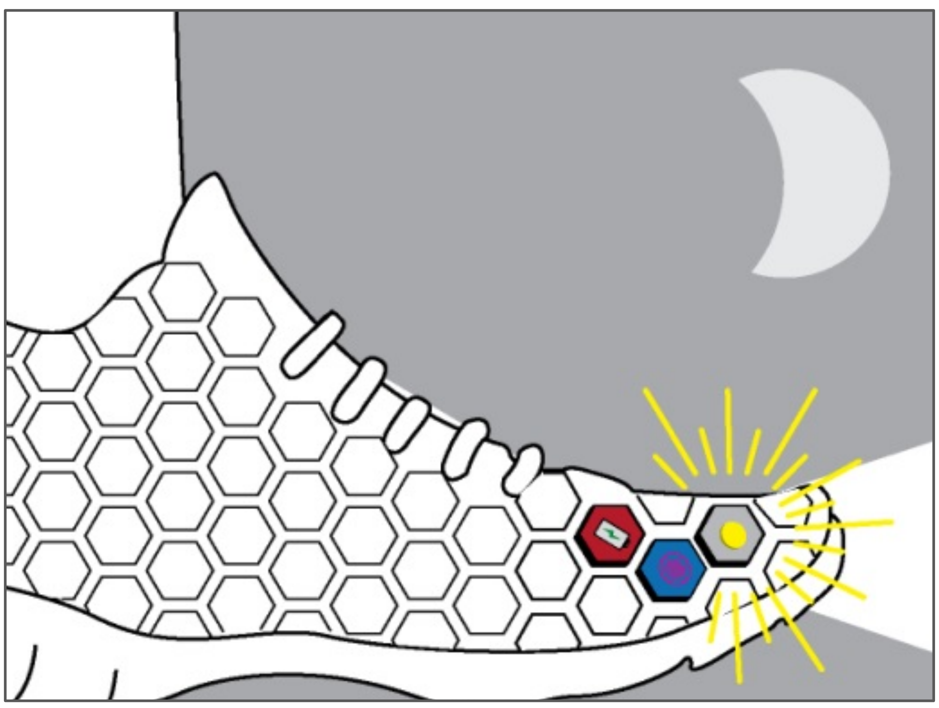

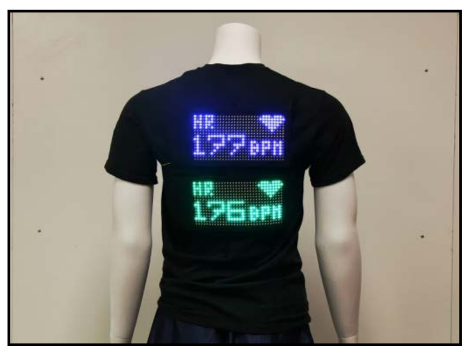

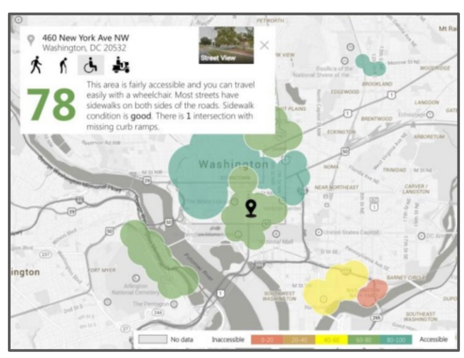

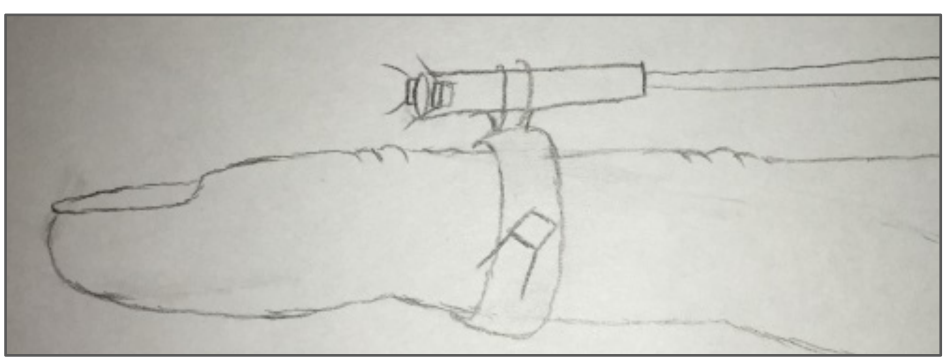

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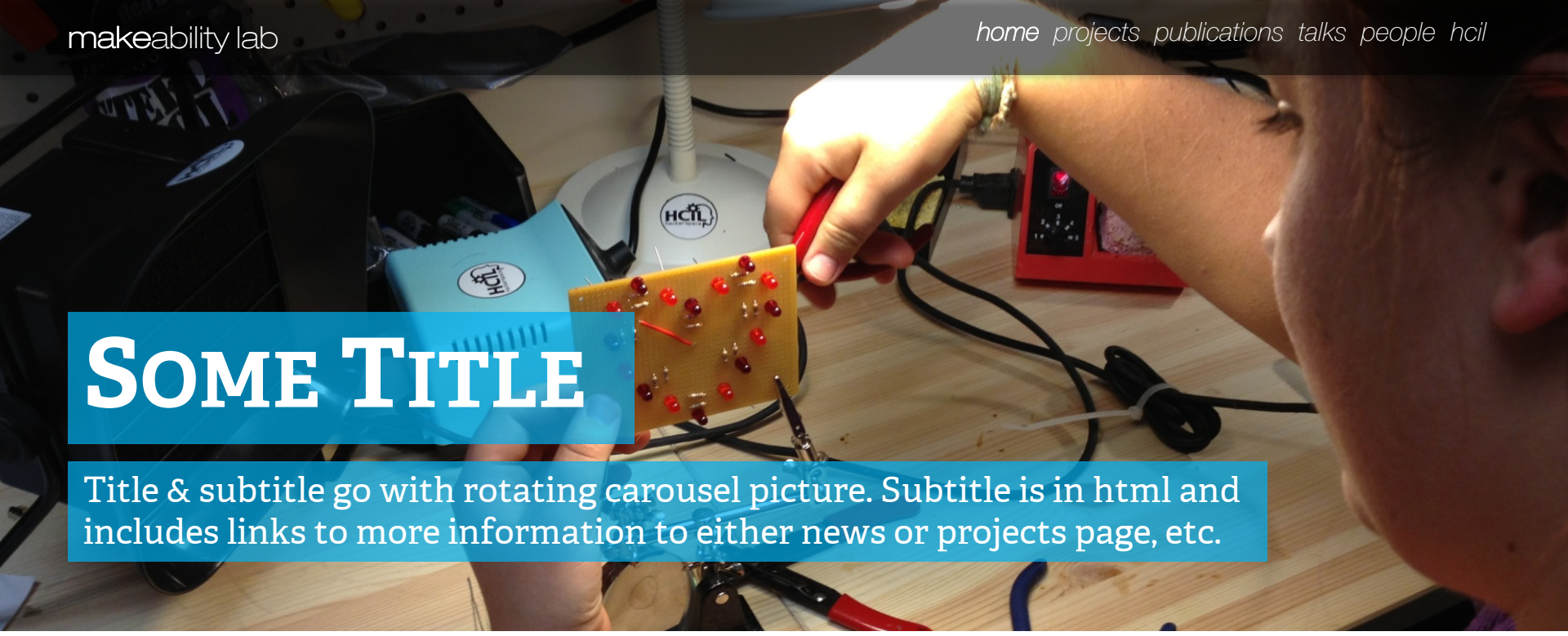

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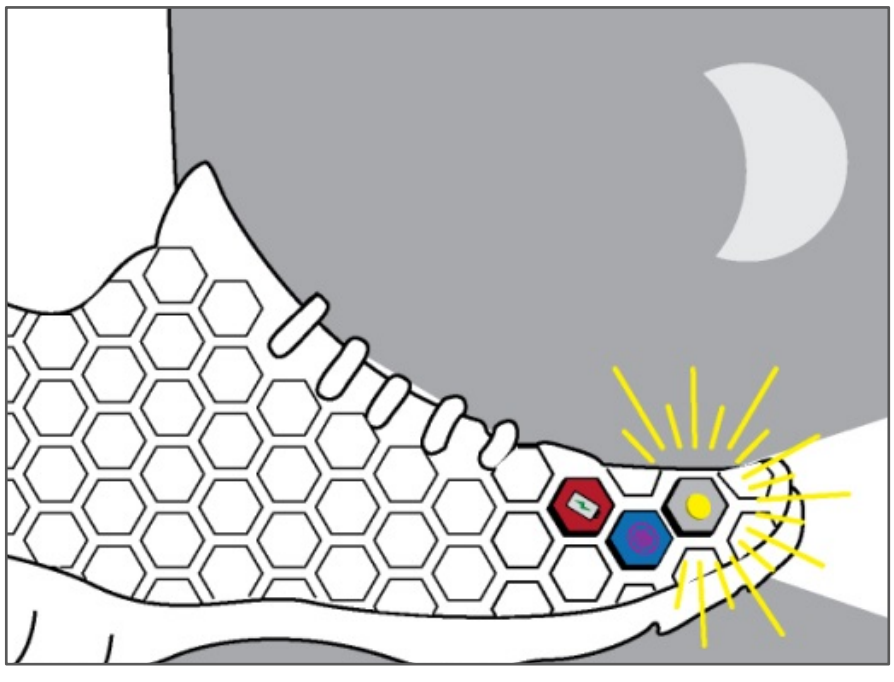
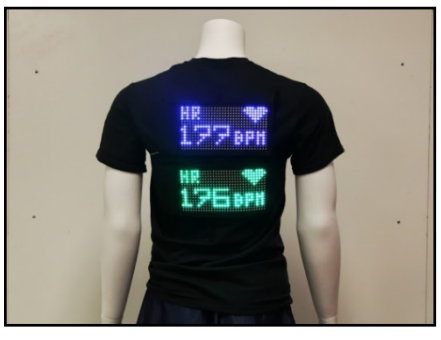
Our Mission

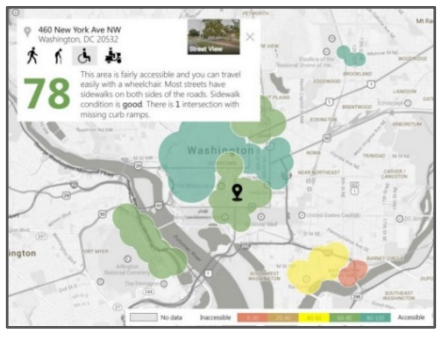
A 2-4 sentence statement about us, our research agenda, etc. A 2-4 sentence statement about us, our research agenda, etc. A 2-4 sentence statement about us, our research agenda, etc.

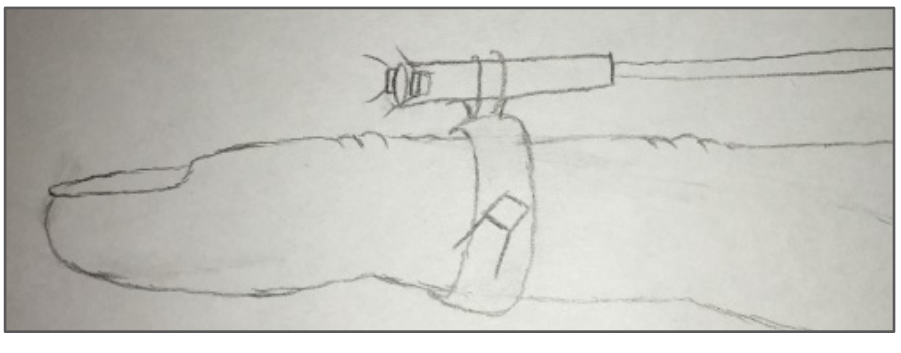
Sustainability | Accessibility | Health | Learning Tools | Maker Tools

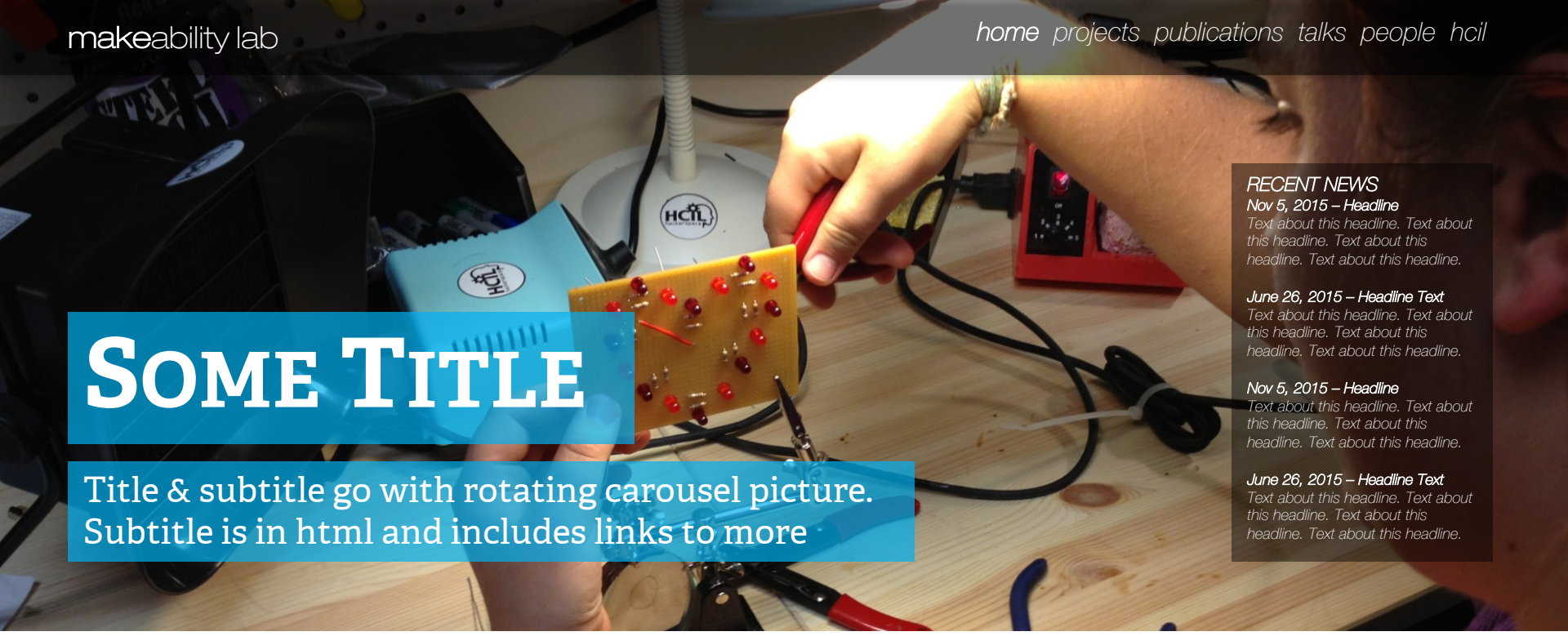
Recent Projects











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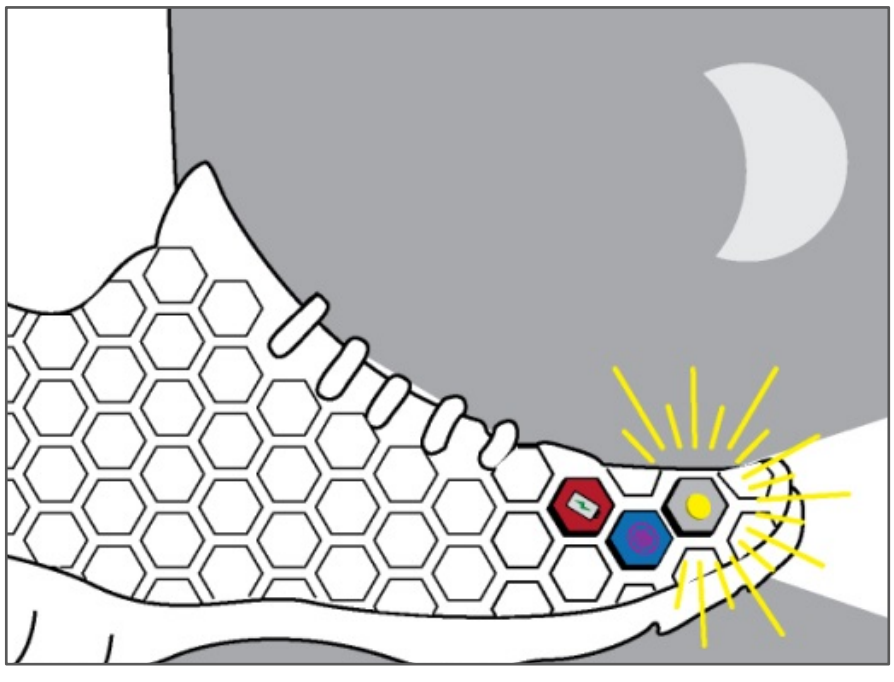

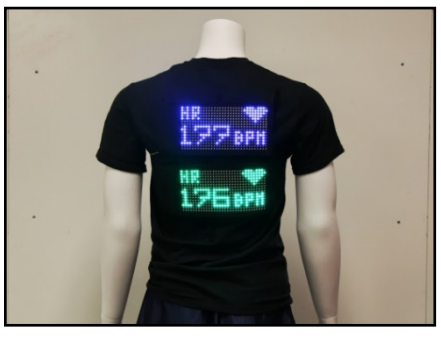

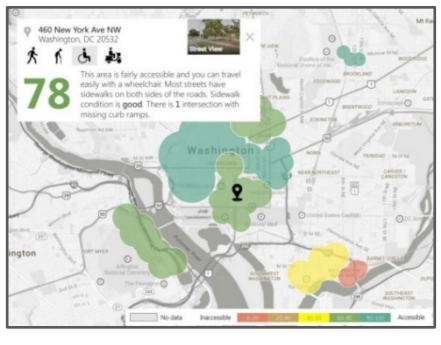

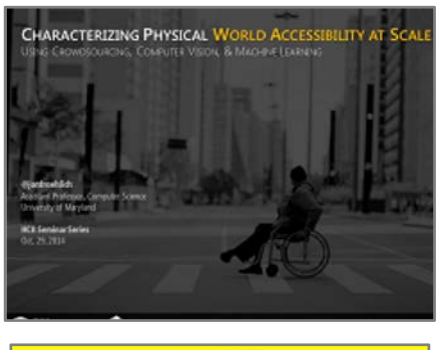

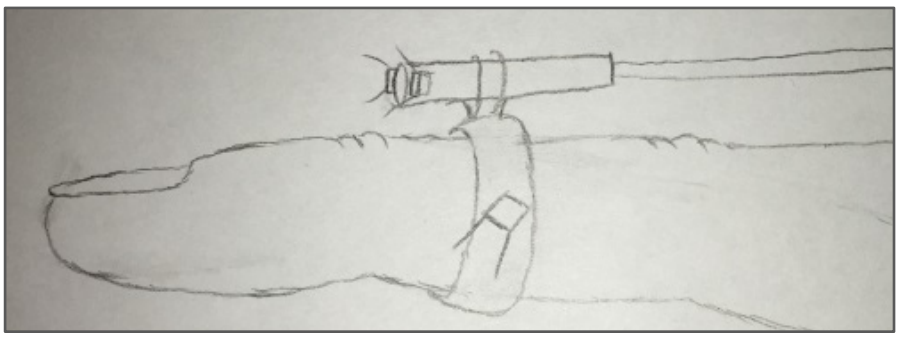

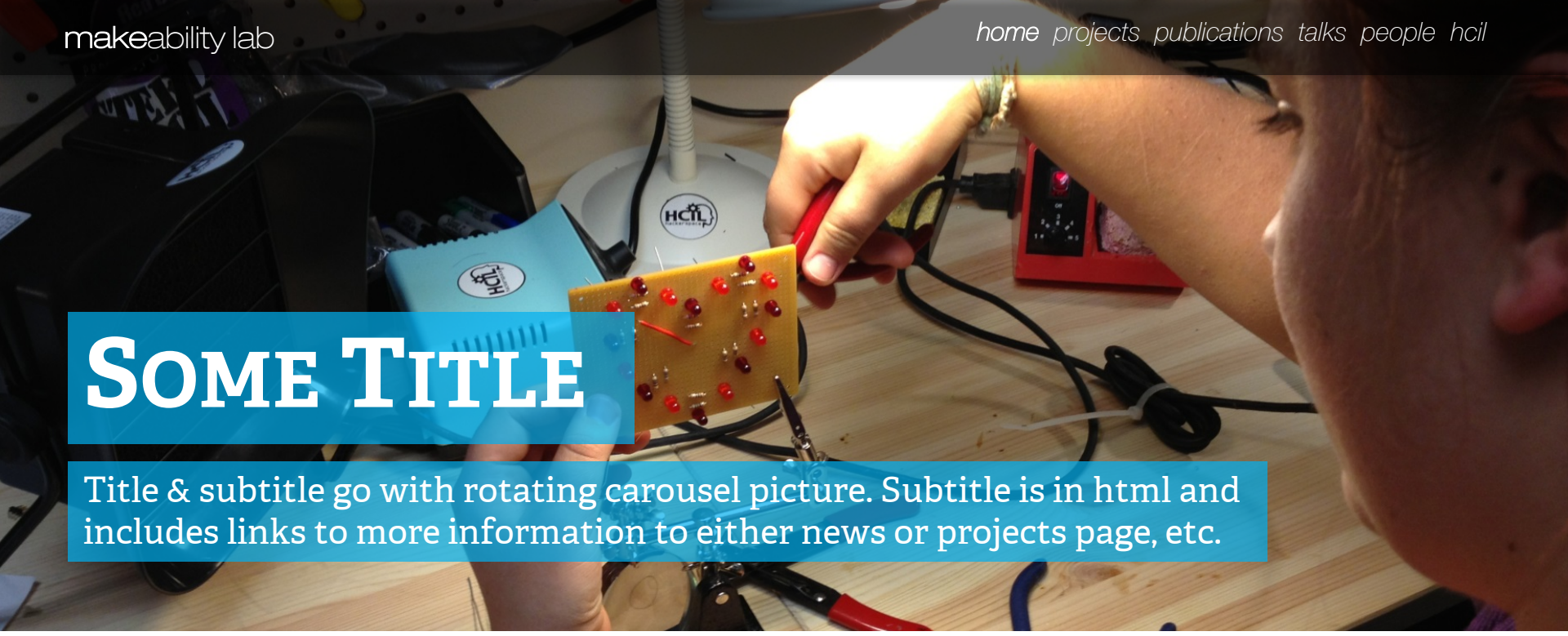

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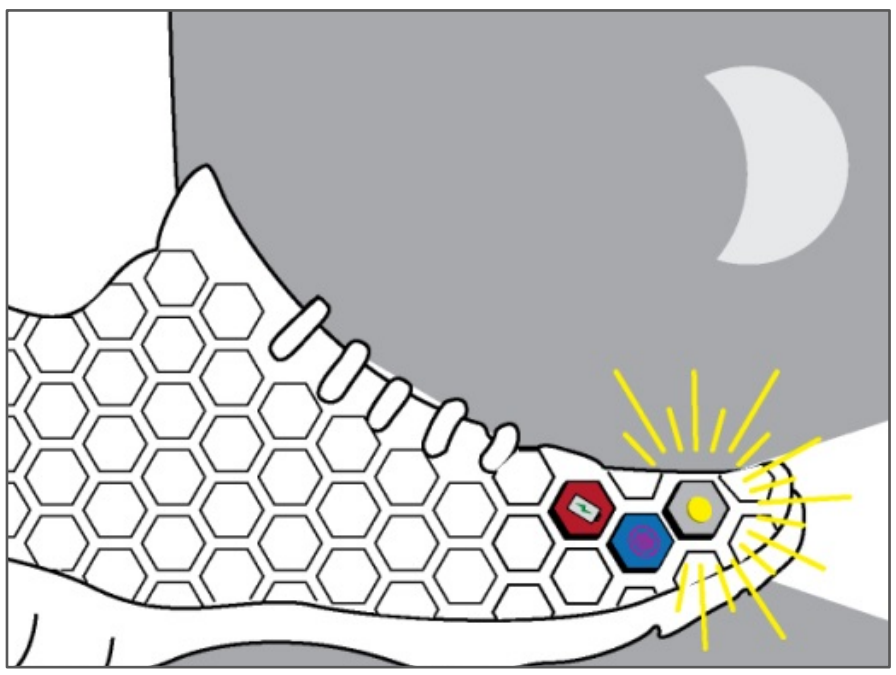

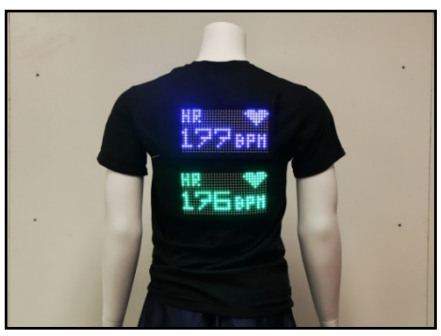

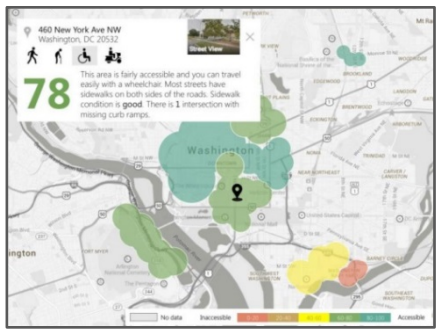

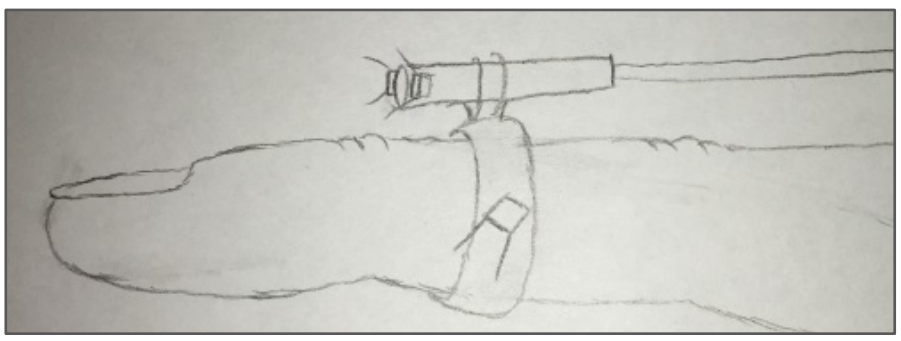

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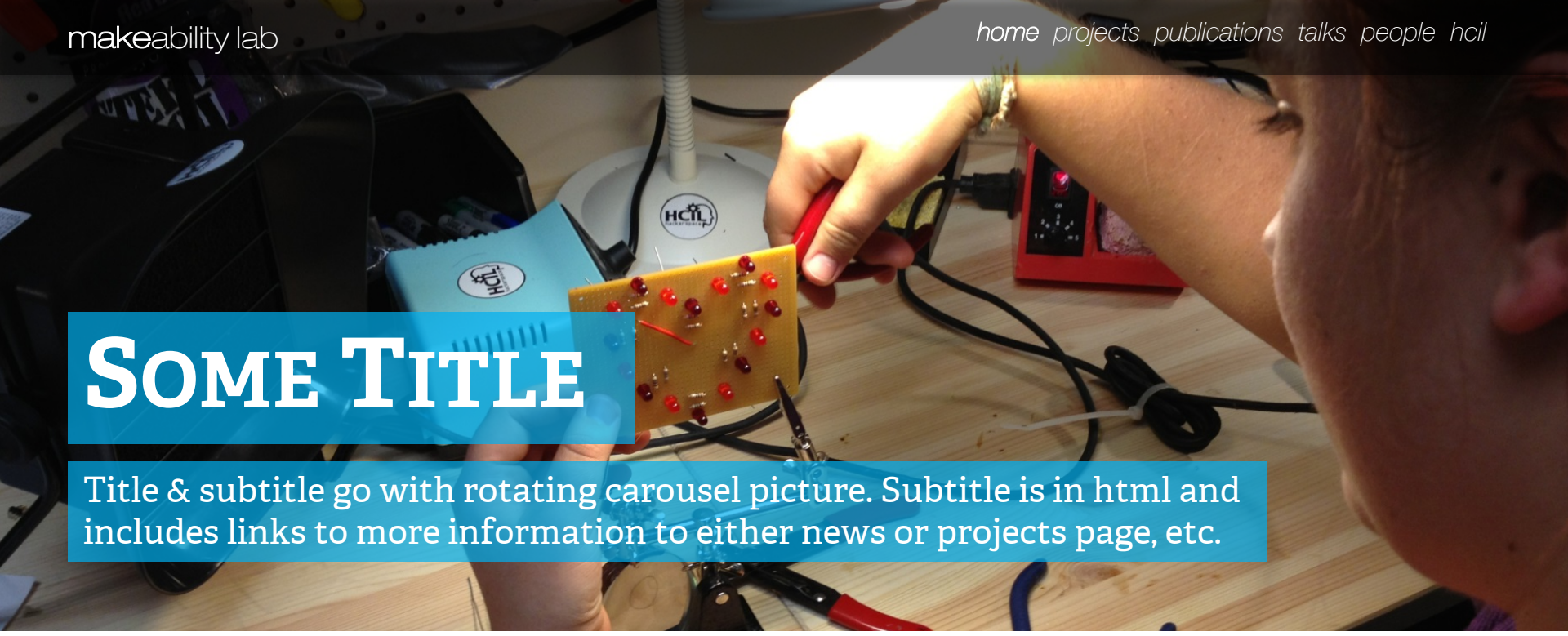

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Sustainability Accessibility Health Learning Tools Maker Tools

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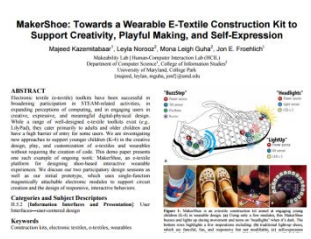

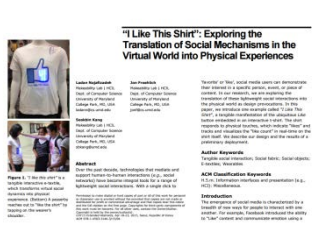

Recent Talks

Social Fabrics: Designing Wearable Electronic Textiles for Interaction, Introspection, & Inquiry
Jon Froehlich | May 28, 2015 | HCIL Symposium

Making with a Social Purpose
Jon Froehlich | March 16, 2015 | American University

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Characterizing Physical World Accessibility at Scale Using Crowdsourcing, Computer Vision, and Machine Learning
Jon Froehlich | Oct 29, 2014 | CMU HCII

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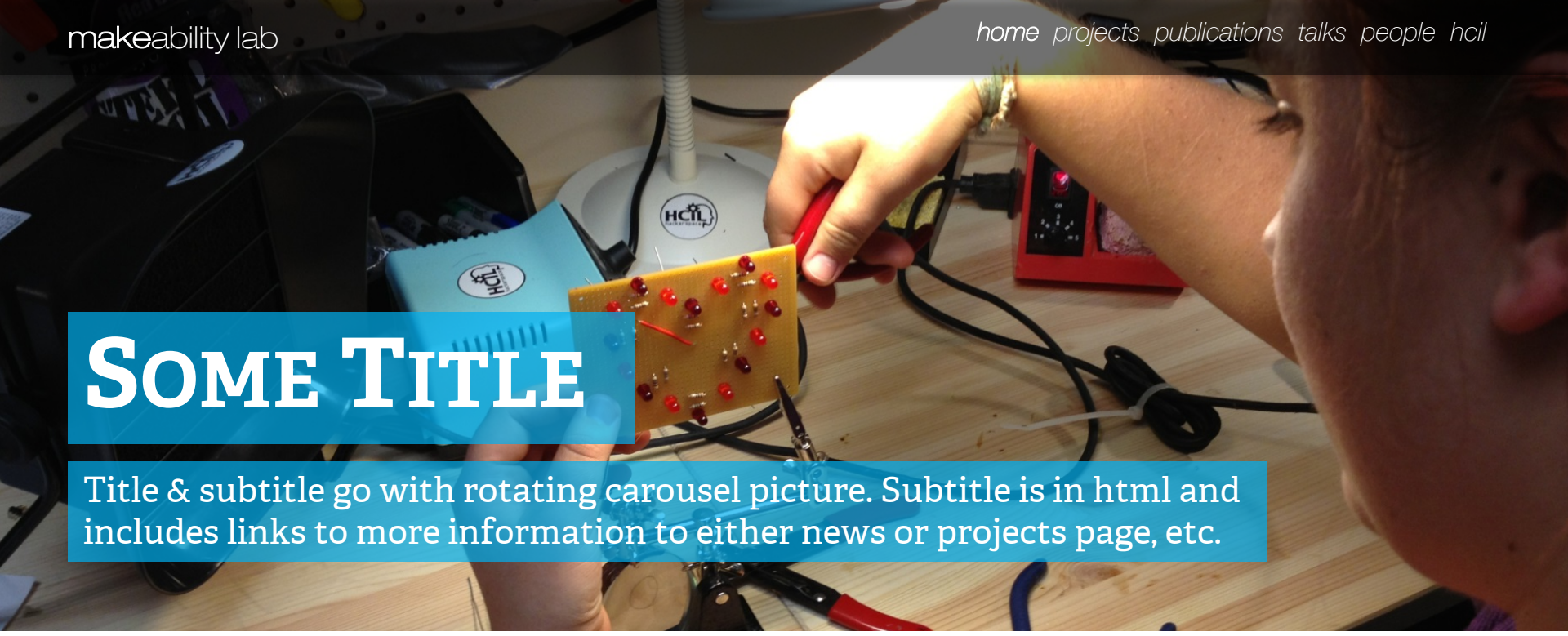

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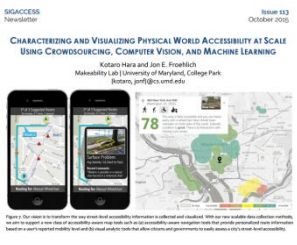

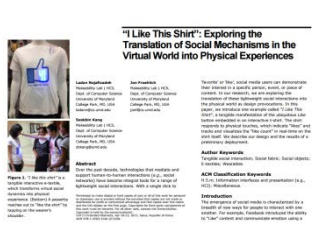

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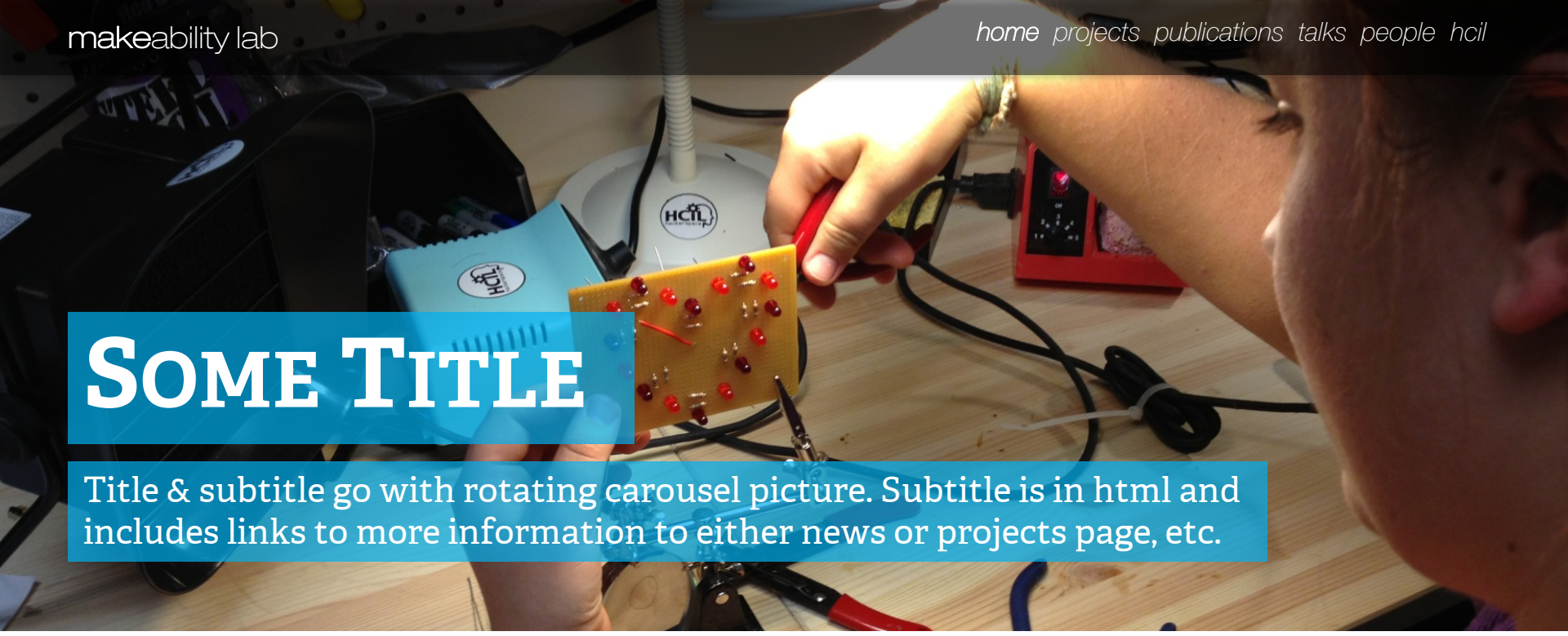

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Recent Photos

MakerShoe in the dark

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Modules on table

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Brainstorming like a boss

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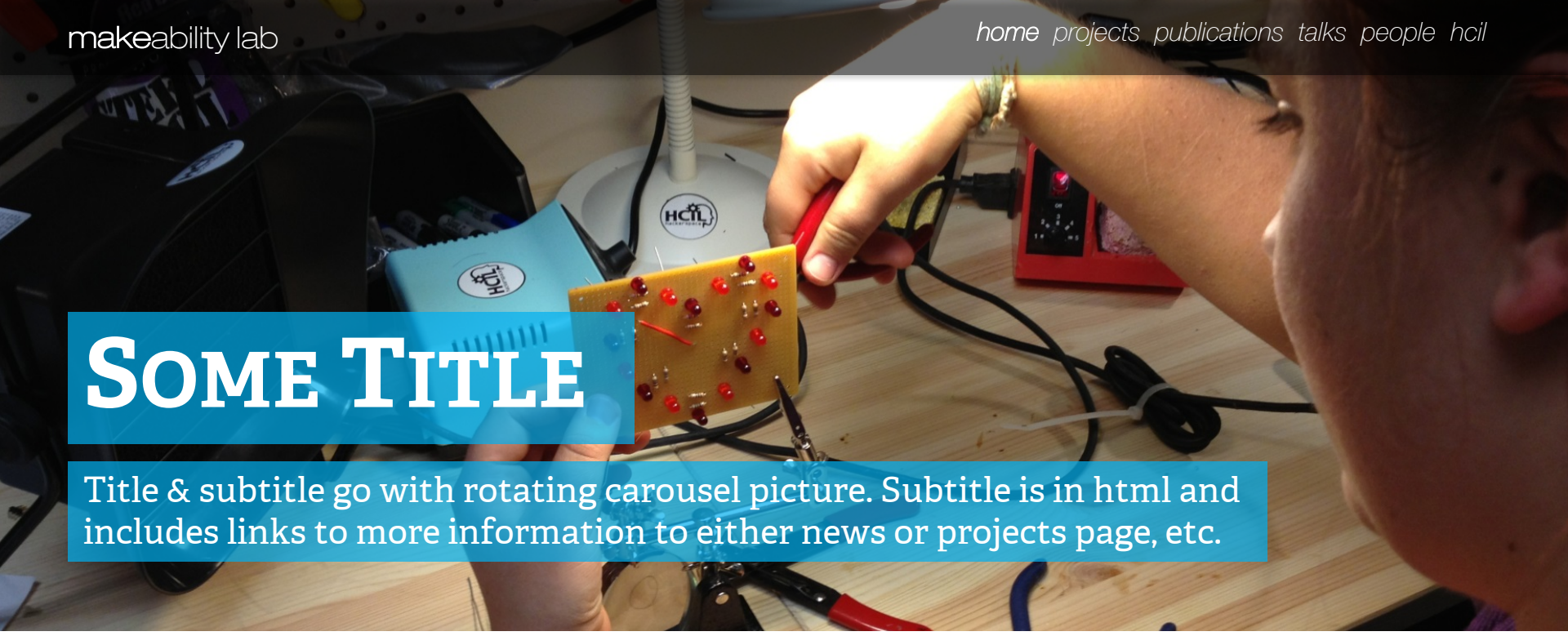

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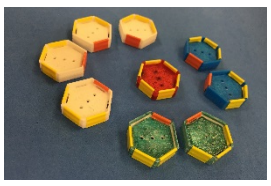

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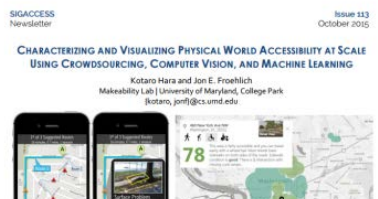

SIGACCESS Newsletter — Issue 113 October 2015

CHARACTERIZING AND VISUALIZING PHYSICAL WORLD ACCESSIBILITY AT SCALE USING CROWDSOURCING, COMPUTER VISION, AND MACHINE LEARNING

Kotaro Hara and Jon E. Froehlich
Makeability Lab | University of Maryland, College Park
{kotaro, jonf}@cs.umd.edu


Supporting Everyday Activities for Persons with Visual Impairments Through Computer Vision-Augmented Touch

Leah Findlater[1], Lee Stearns[2], Ruofei Du[2], Uran Oh[2], David Ross[3], Rama Chellappa[4], Jon E. Froehlich[2]
[1]College of Information Studies, [2]Dept. of Computer Science, [3]Dept. of Electrical and Computer Engineering, University of Maryland, College Park, MD 20742
[3]Atlanta VA R&D Center of Excellence in Vision and Neurocognitive Rehabilitation (CVNR)
1670 Clairmont Road, Decatur, GA 30033

ABSTRACT

Categories and Subject Descriptors

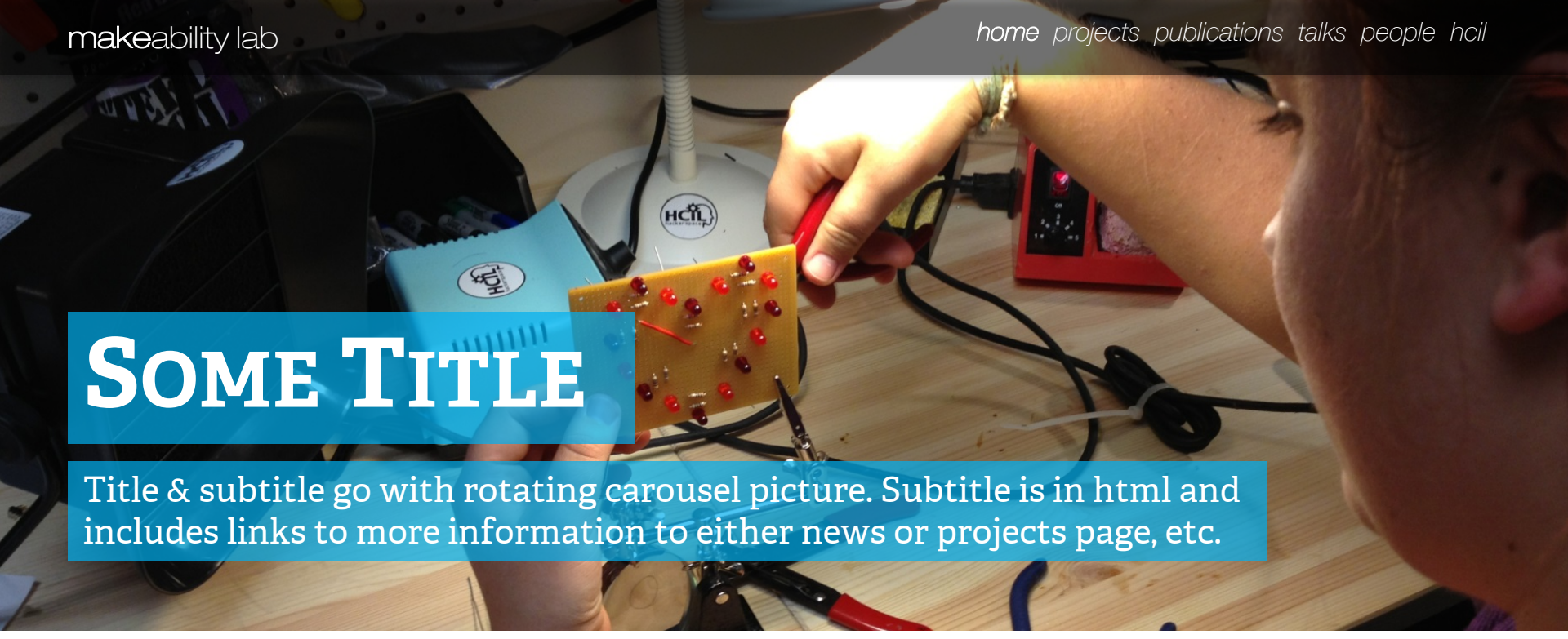

MakerShoe: Towards a Wearable E-Textile Construction Kit to Support Creativity, Playful Making, and Self-Expression

Majeed Kazemitabaar[1], Leyla Norooz[2], Mona Leigh Guha[2], Jon E. Froehlich[1]
Makeability Lab | Human-Computer Interaction Lab (HCIL)
[1]Department of Computer Science, [2]College of Information Studies
University of Maryland, College Park
{majeed, leylan, mguha, jonf}@umd.edu

ABSTRACT


"I Like This Shirt": Exploring the Translation of Social Mechanisms in the Virtual World into Physical Experiences

Author Keywords



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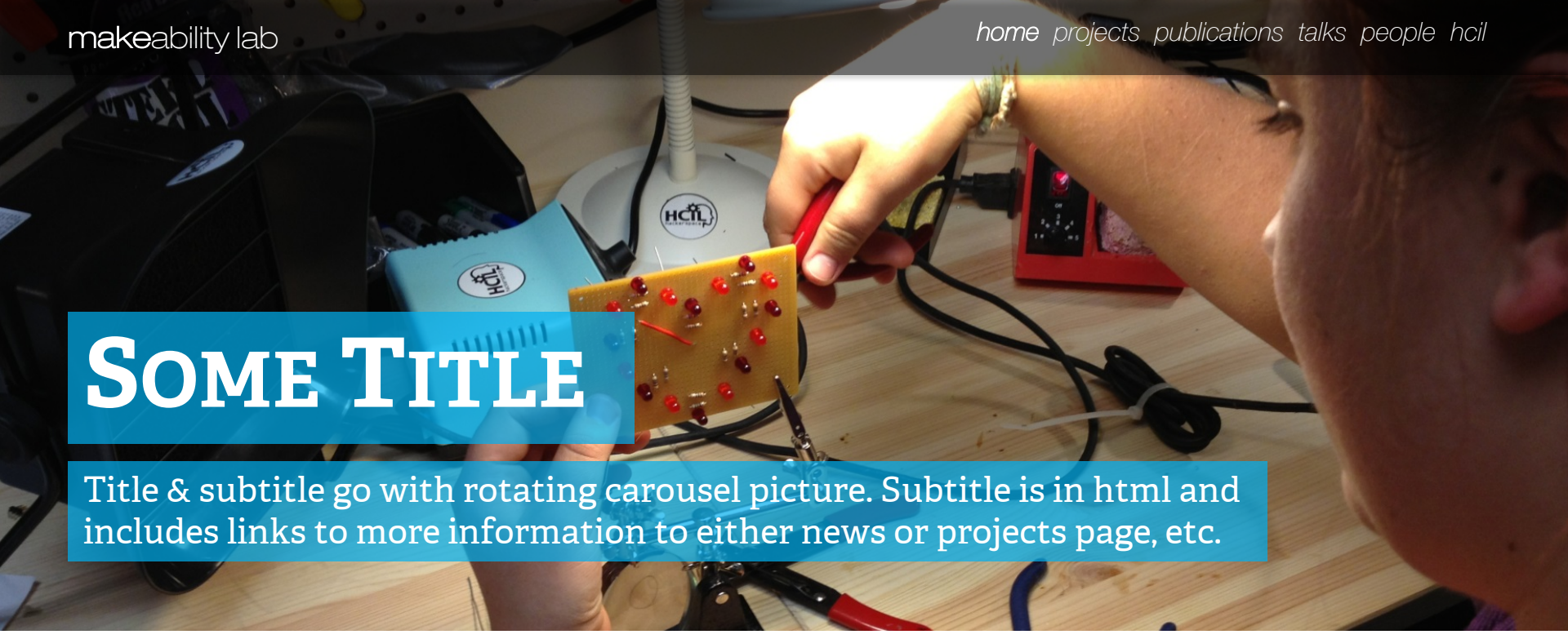

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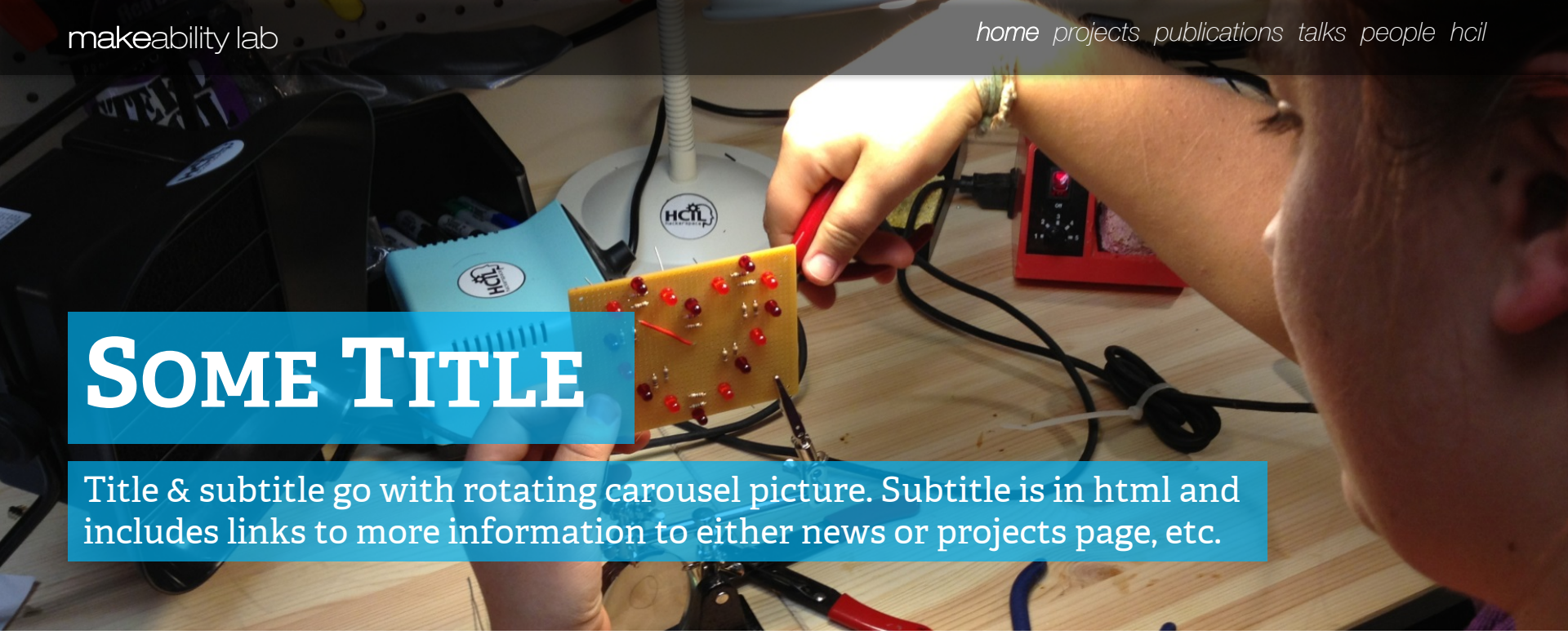

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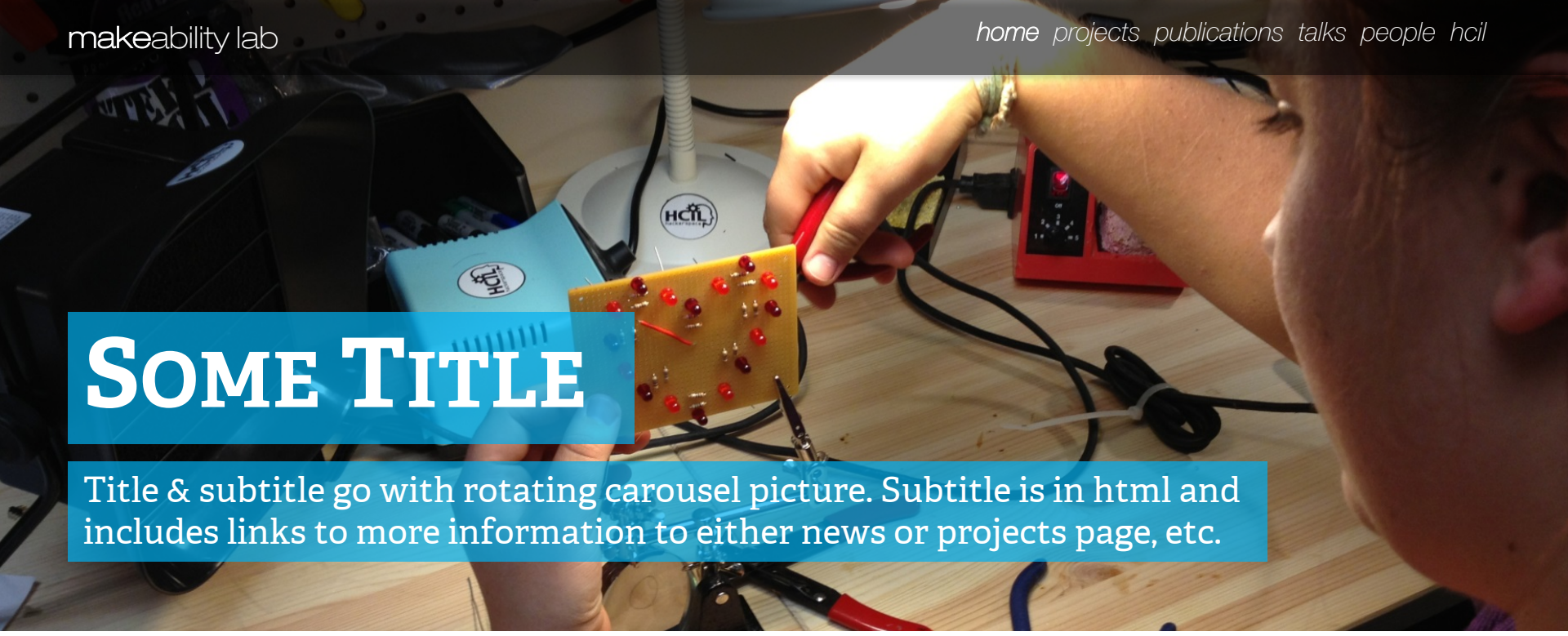

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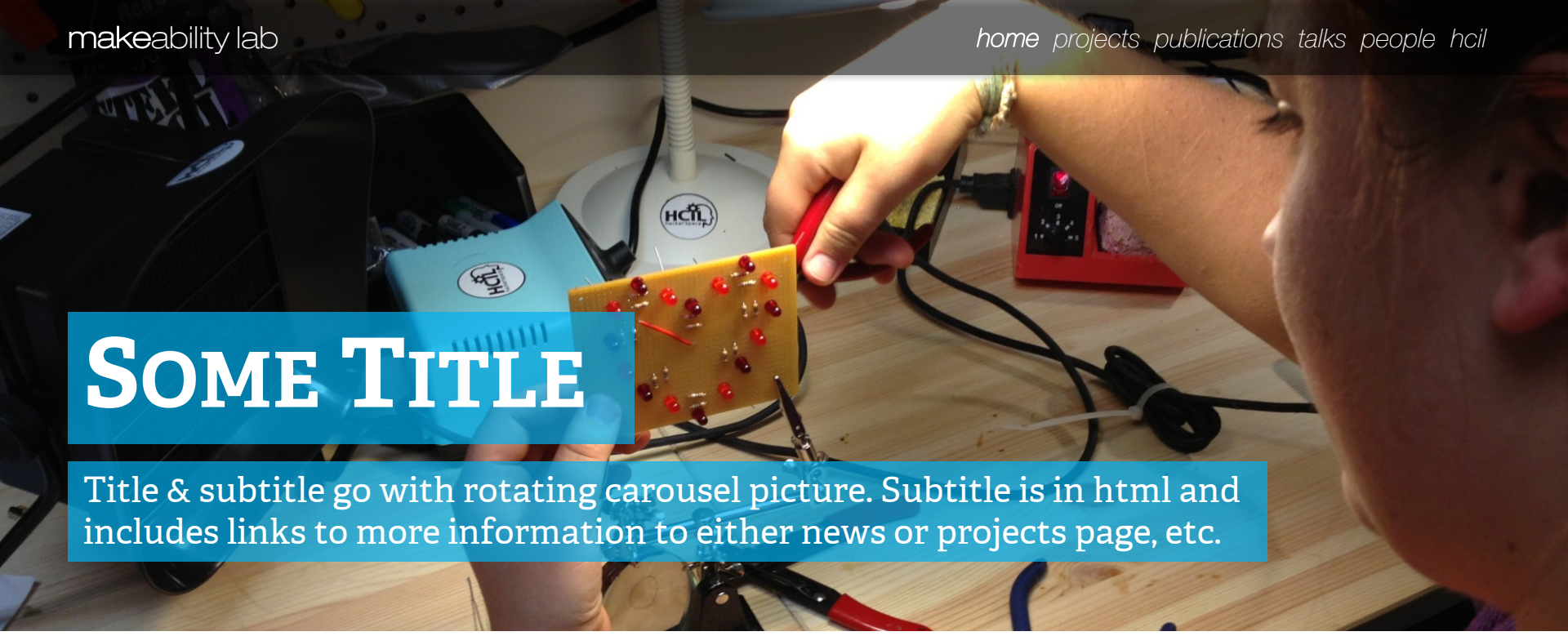

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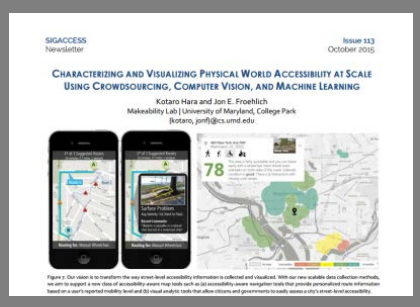

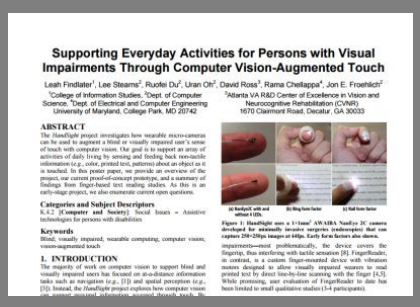

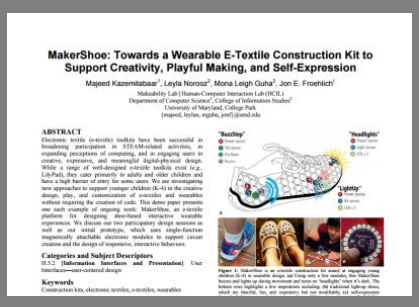

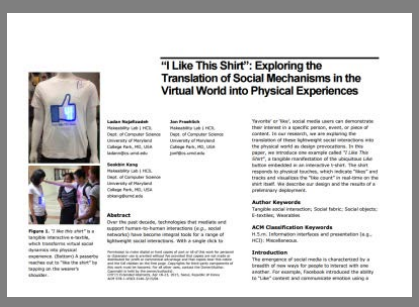

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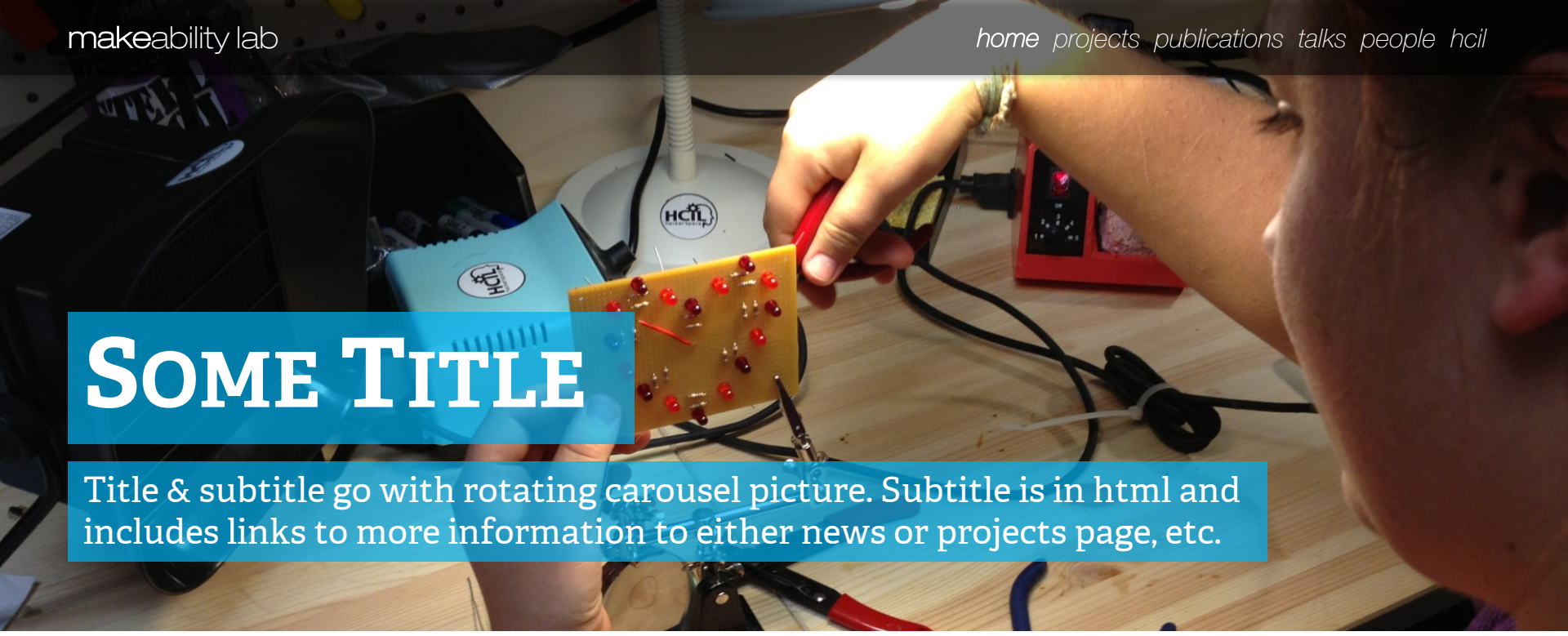

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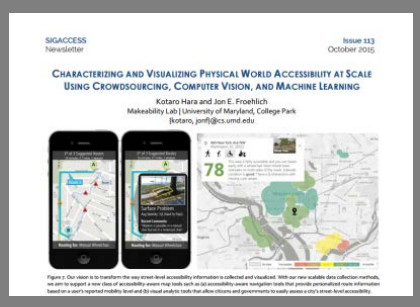

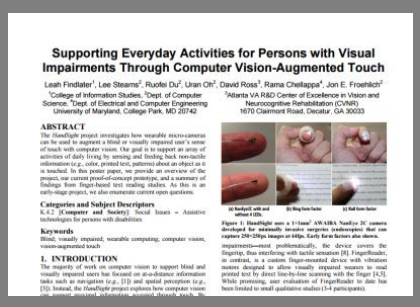

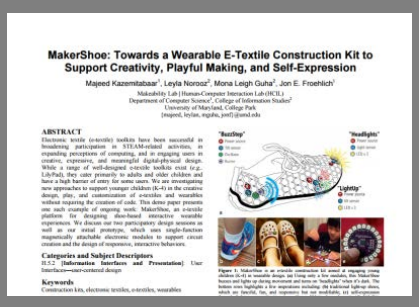

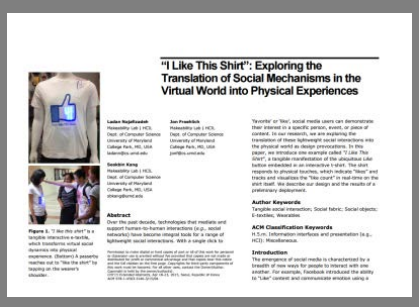

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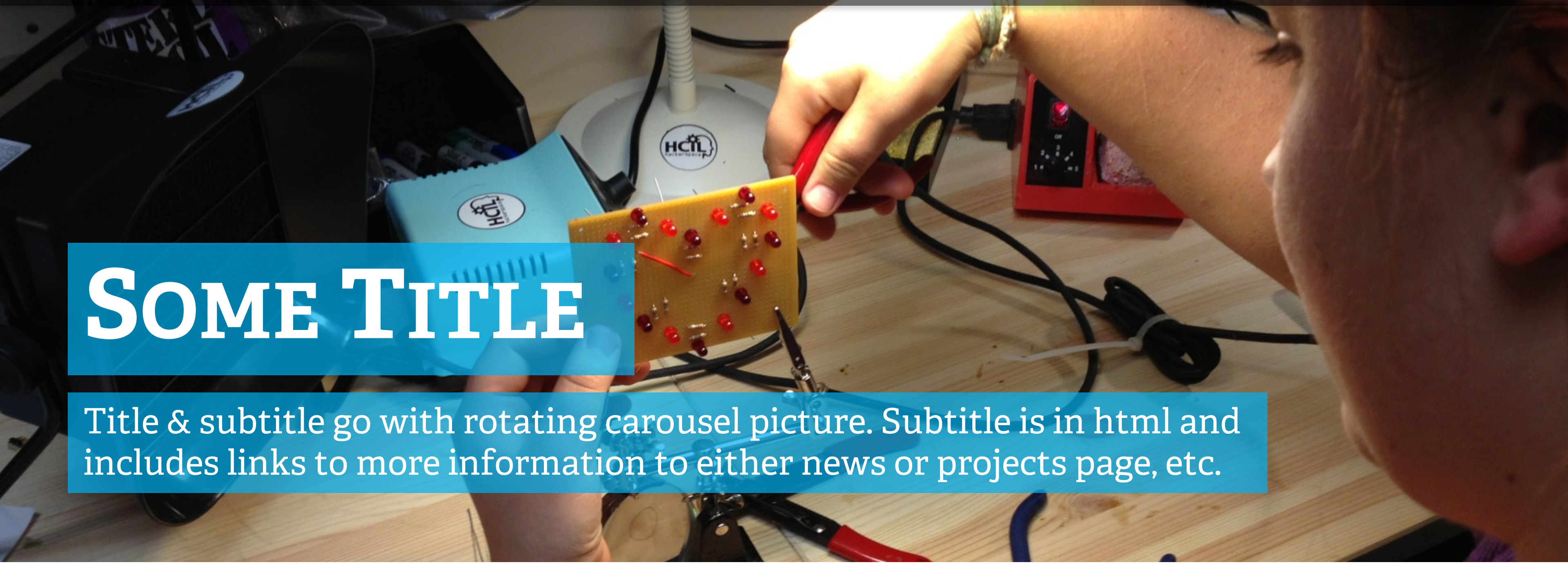

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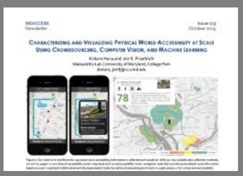

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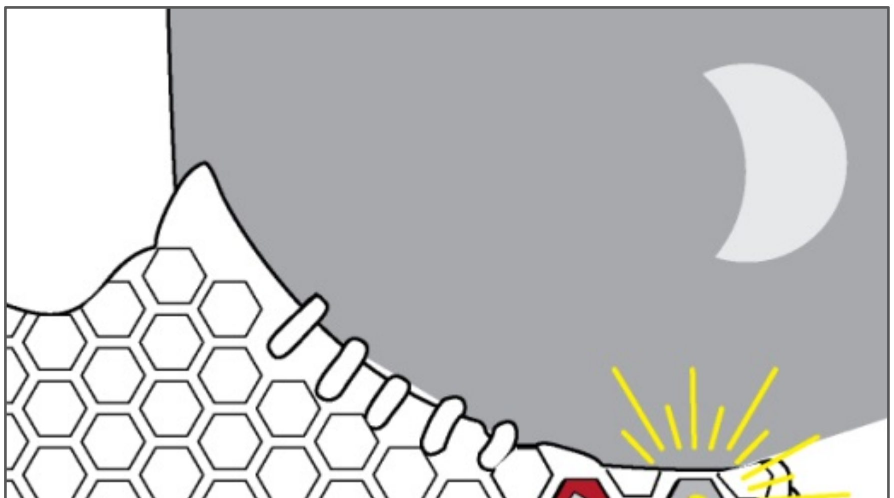

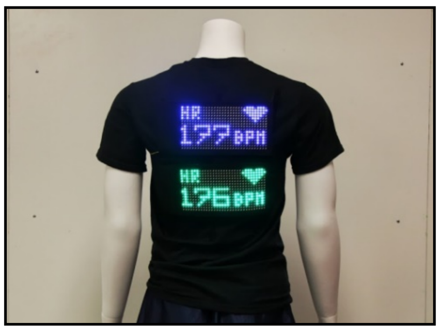

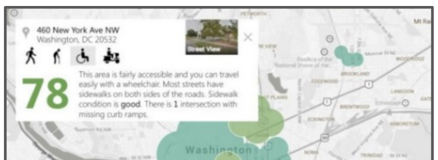

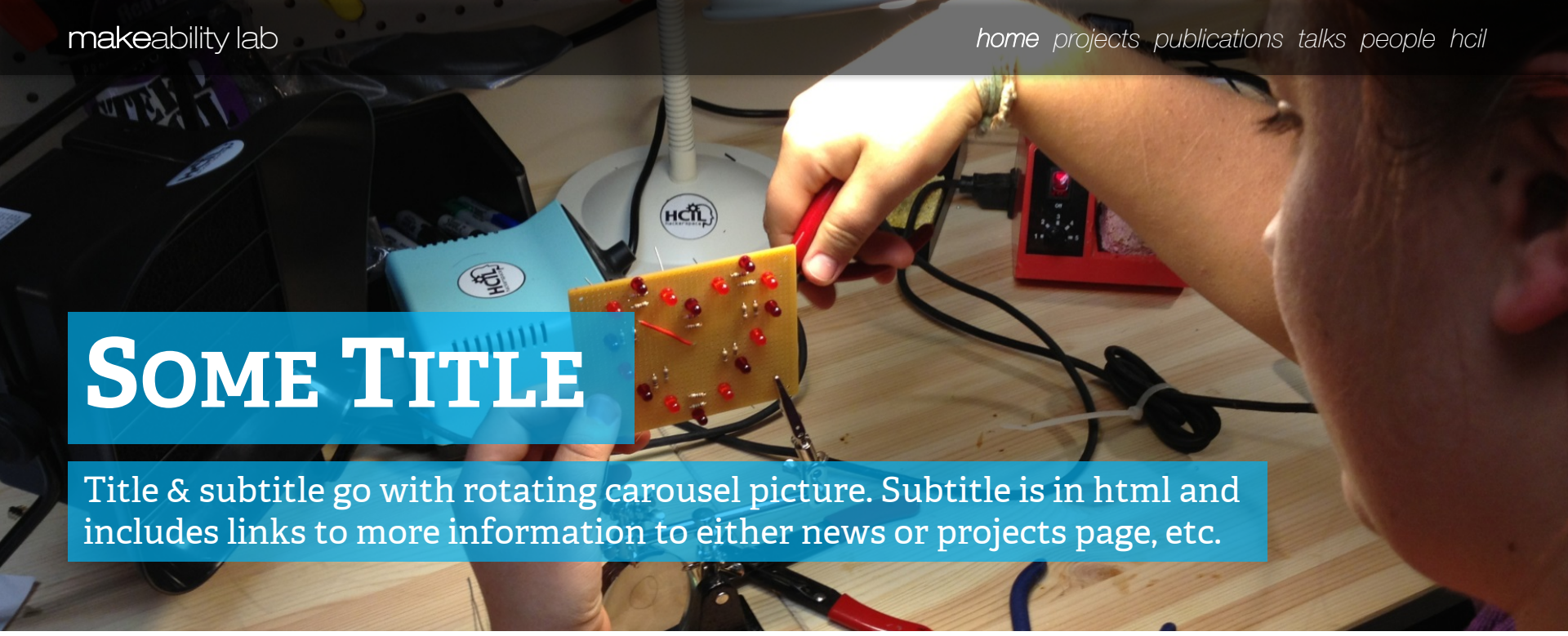

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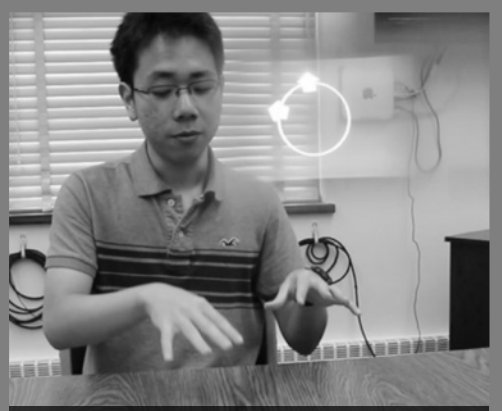

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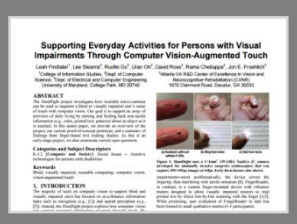

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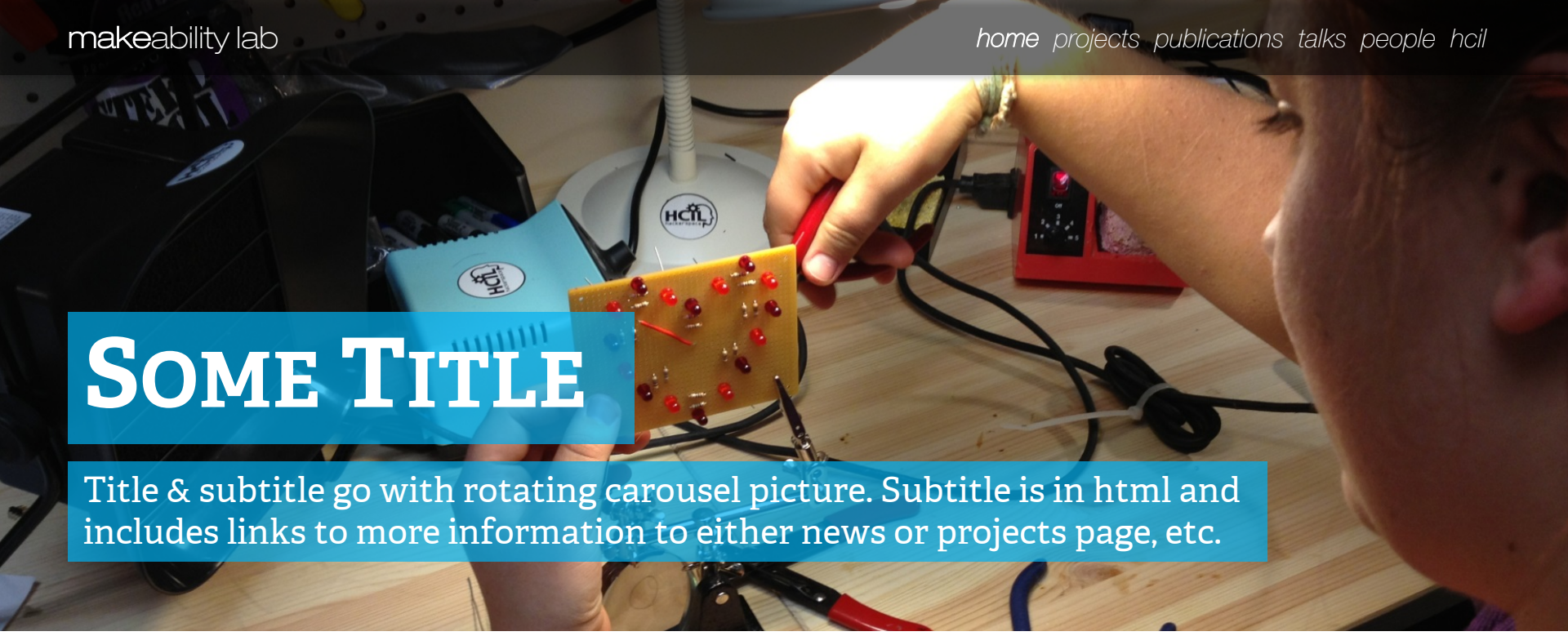

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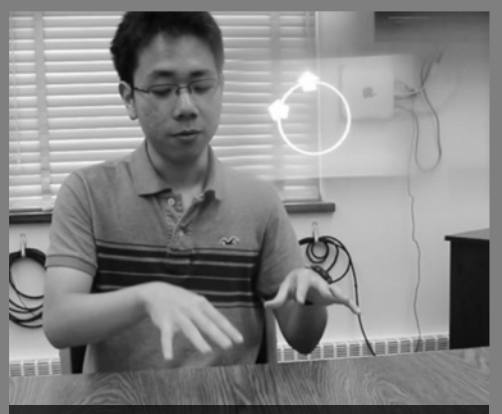

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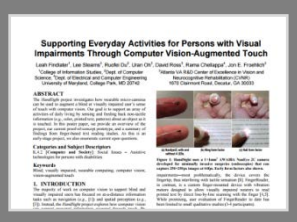

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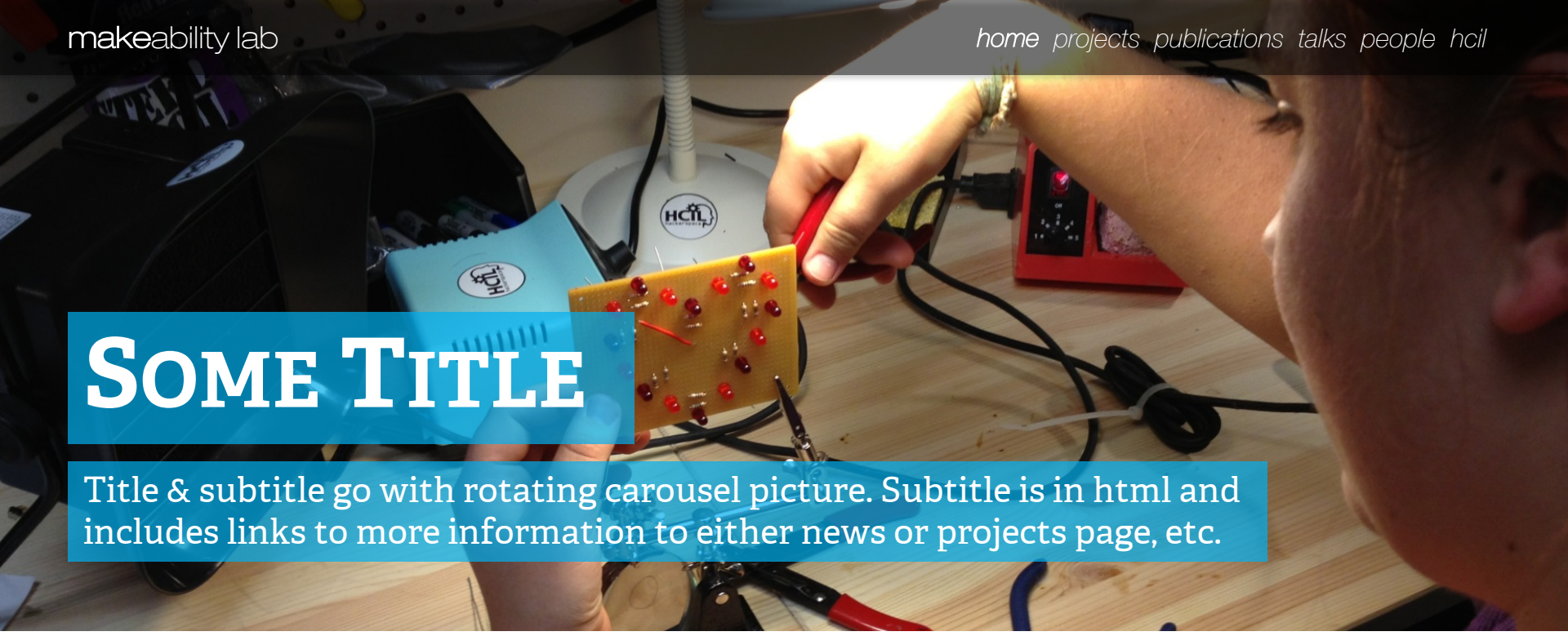

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Jon E. Froehlich, Majeed Kazemitabaar
33rd Annual HCIL Symposium

RECENT NEWS

Nov 5, 2015 – Headline
Text about this headline. Text about this headline. Text about this headline. Text about this headline.

June 26, 2015 – Headline Text
Text about this headline. Text about this headline. Text about this headline. Text about this headline.

Nov 5, 2015 – Headline
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June 26, 2015 – Headline Text
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RECENT TWEETS

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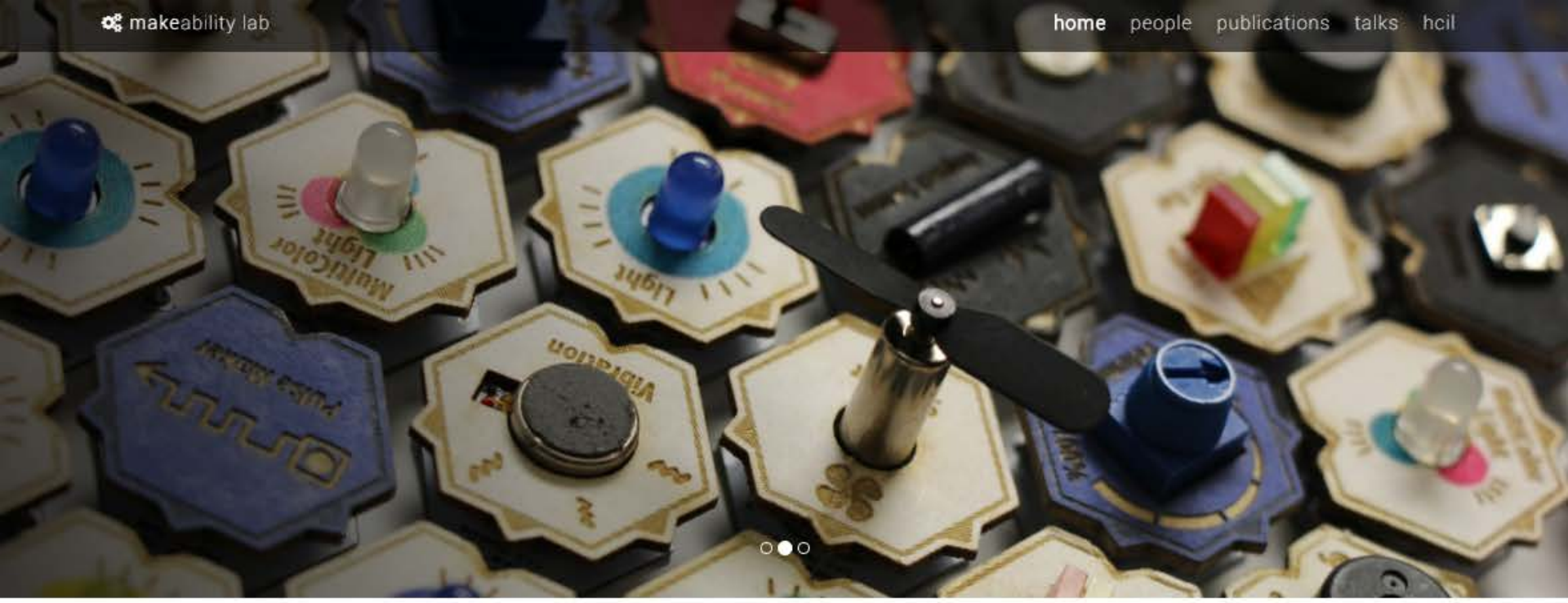

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Sustainability | Accessibility | Health | Learning Tools | Maker Tools

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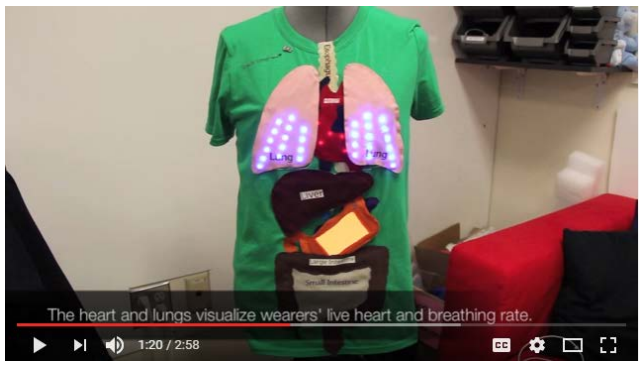
Recent Videos

Head-Mounted Display Visualizations to Support Sound Awareness for the Deaf and Hard of...
Proceedings of CHI2015
YouTube | Project Page | Paper



BodyVis: A New Approach to Body Learning Through Wearable Sensing and Visualization
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YouTube | Project Page | Paper

Recent Publications

Evaluating Haptic and Auditory Directional Guidance to Assist Blind People in Reading Printed Text Using Finger-Mounted Cameras
Lee Stearns Ruofei Du Uran Oh Catherine Jou Leah Findlater David Ross Jon E. Froehlich
ACM Transactions on Accessible Computing (TACCESS) 2016

SharedPhys: Live Physiological Sensing, Whole-Body Interaction, and Large-Screen Visualizations to Support Shared Inquiry Experiences
Seokbin Kang Leyla Norooz Vanessa Oguamanam Angelisa Plane Tamara L. Clegg Jon E. Froehlich
Proceedings of IDC 2016

Evaluating Angular Accuracy of Wrist-based Haptic Directional Guidance for Hand Movement
Jonggi Hong Lee Stearns Tony Cheng Jon E. Froehlich David Ross Leah Findlater
Proceedings of GI 2016

More...

Recent Talks

Recent Tweets

Matthew Louis @mattm401
Meet a Woman Who Keeps 500 Plants in Her Brooklyn Apartment via @modfarm modernfarmer.com/2016/07/summer...

Meet a Woman Who Ke...
"I think that the only way I...
modernfarmer.com

Ruofei Du @DuRuofei
SIGGRAPH Web3D 2016 Videos. Ping me to add more. youtube.com/playlist?list=... via @YouTube

Jon Froehlich Retweeted
Jennifer Mankoff @jcmankoff
Our knitting compiler will be presented next week at SIGGRAPH. twitter.com/cmuhcii/status...

Ruofei Du @DuRuofei
Social Street View: Blending Immersive Street Views with Geo-tagged Social Media. #GIS #VR #AR #3DUI youtu.be/VjgqgRThnC8 via @YouTube

YouTube @YouTube

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A video supplement to our CHI 2017 paper "MakerWear: A Tangible Approach to Interactive Wearable Creation for Children"

YouTube | Paper

SqueezaPulse: Adding Interactive Input to Fabricated Objects Using Corrugated Tubes and Air Pulses

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YouTube | Paper

Characterizing Street-level Accessibility at Scale

Kotaro Hara's talk on Project Sidewalk at Microsoft Research

YouTube

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Sustainability

Accessibility

Health

Learning Tools

Maker Tools

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EM-SENSE (2015)

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Design & Field Study

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Design & Field Study

Fenestra
Design & Field Study

Digital Artifacts as Legacy
Design & Field Study

Technology Heirlooms
Design & Field Study

User Enactments

Email Postcards

Long-Term Use of Slow Technology

Qualities of Virtual Possessions

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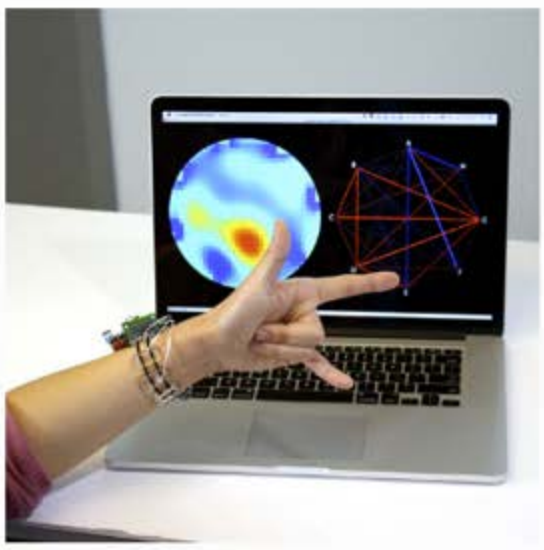

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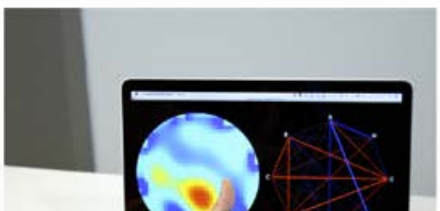

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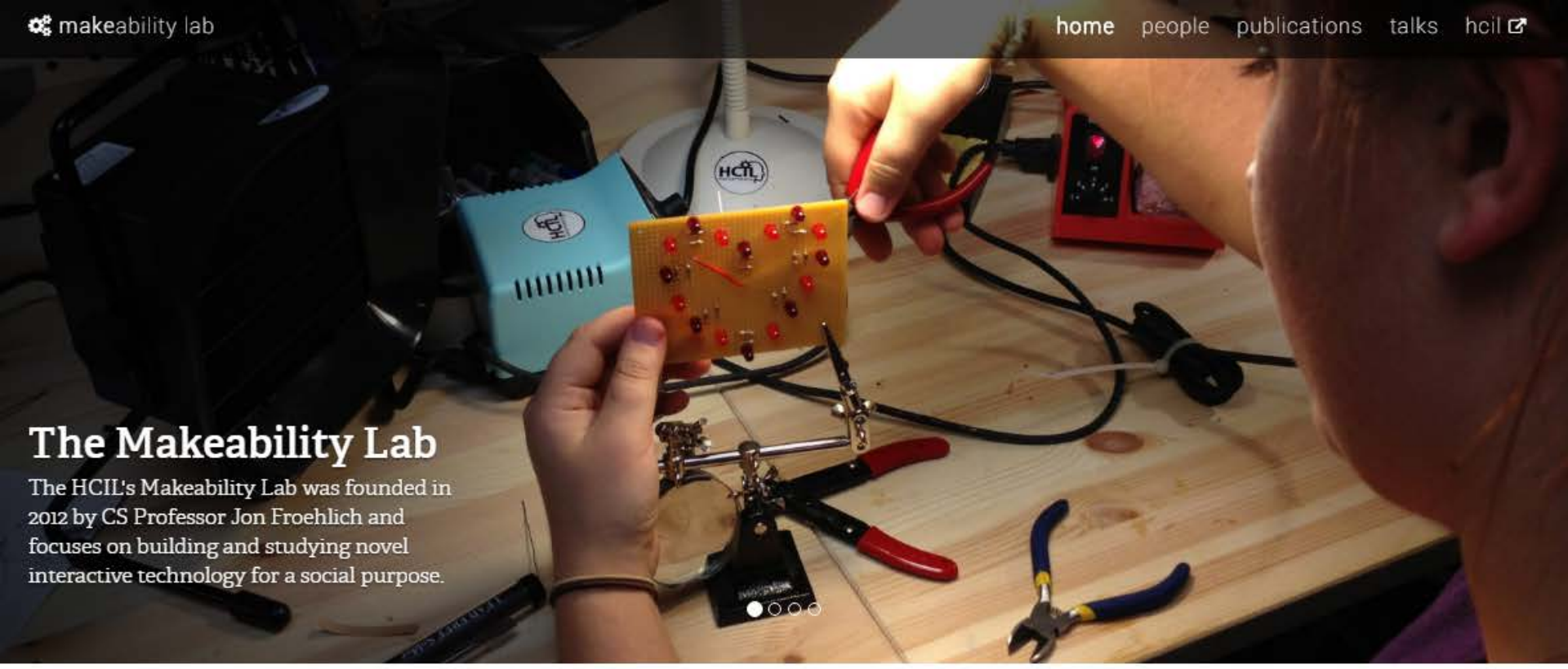

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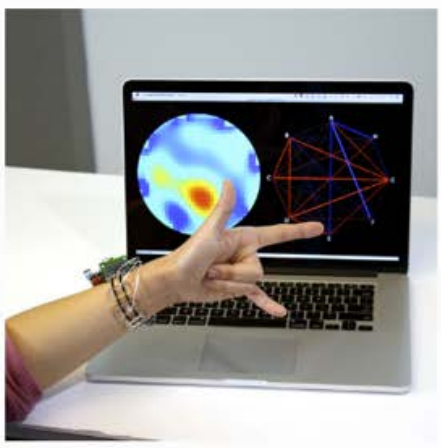

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Exploring Novice Approaches to Smartphone-based Thermographic Energy Auditing: A Field Study

Matthew L Mauriello Manaswi Saha Erica Brown Jon E. Froehlich

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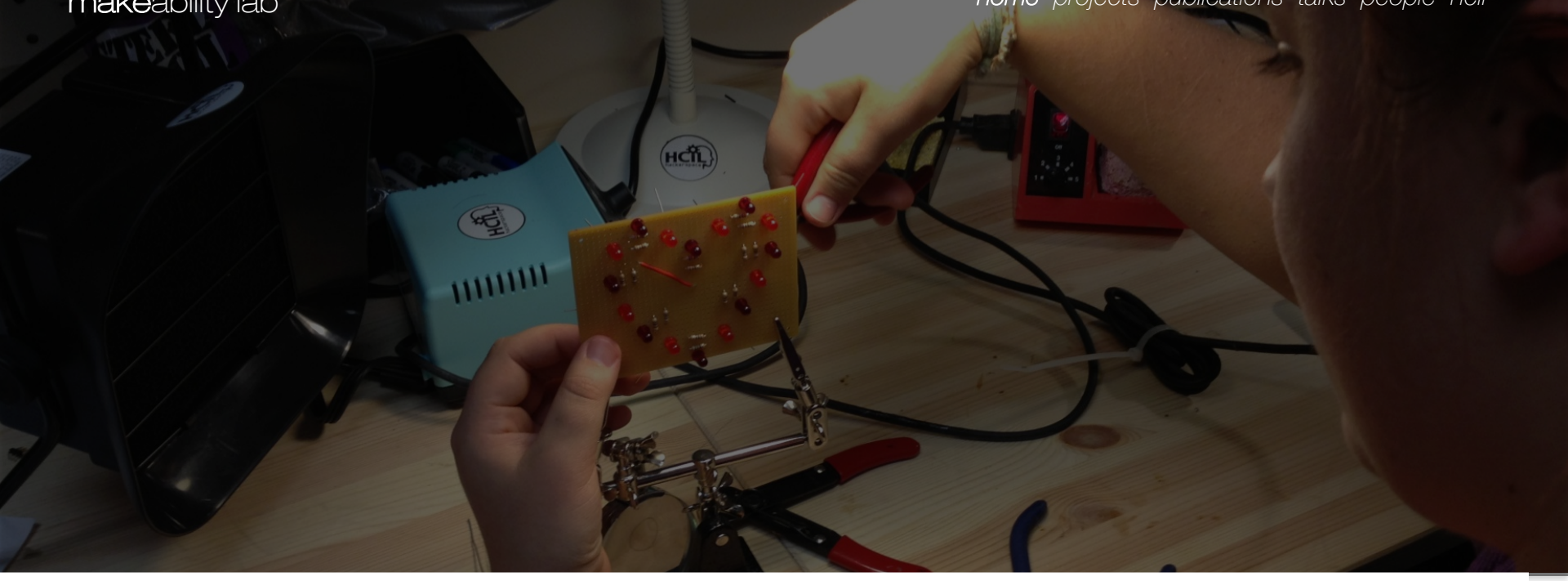
Froehlich Named Sloan Fellow

Feb 21, 2017 | Jon

I am deeply honored to be named a Sloan Research Fellow along with my CS colleague Tom Goldstein



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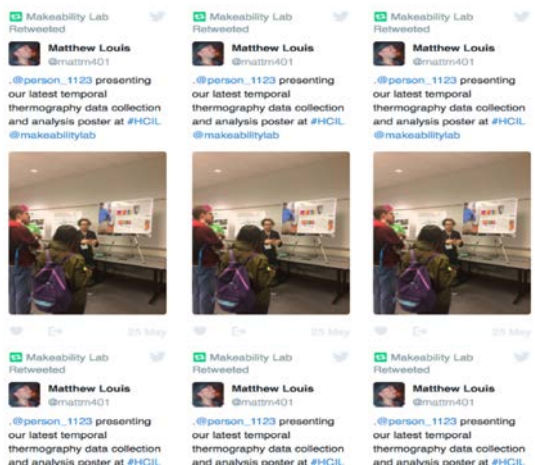

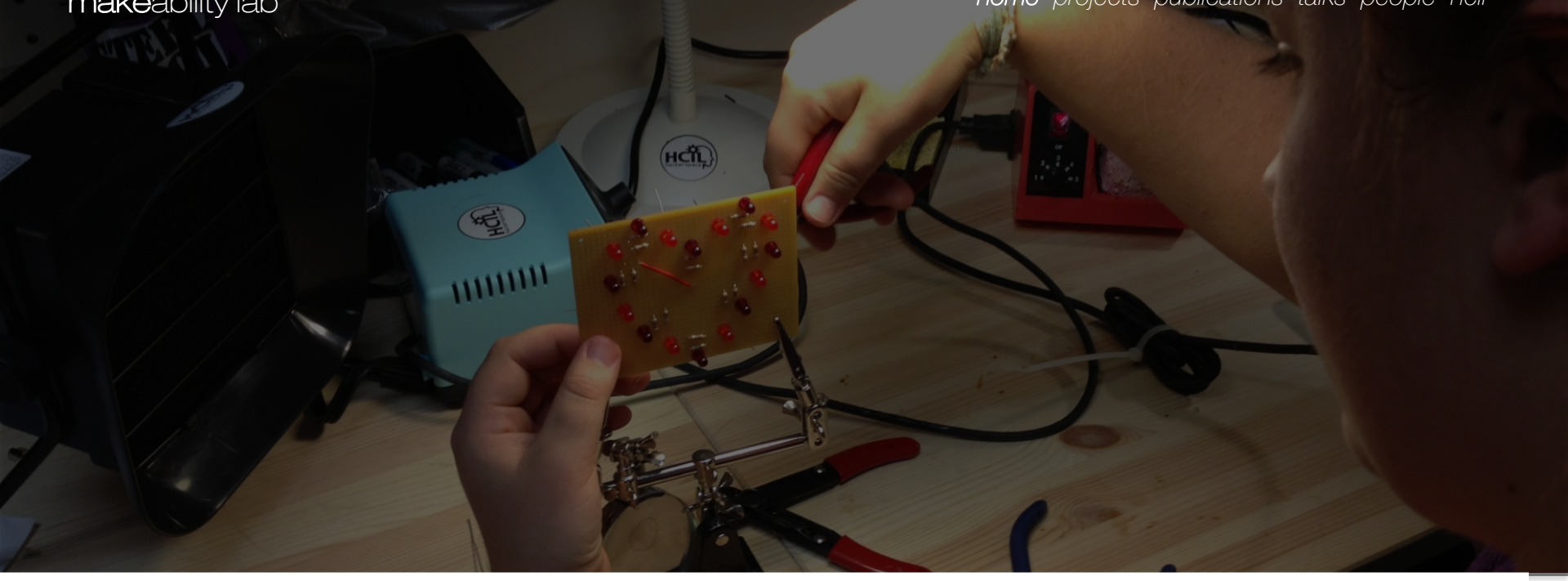

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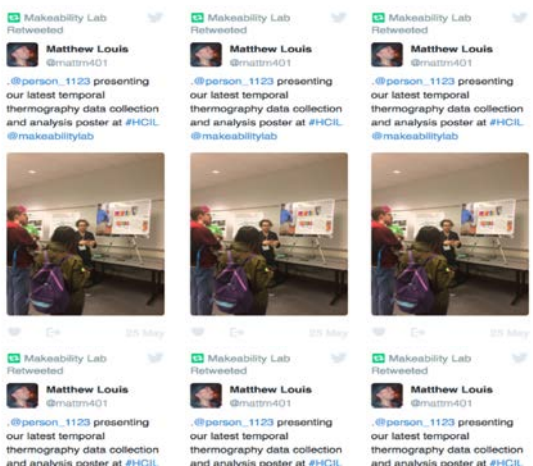

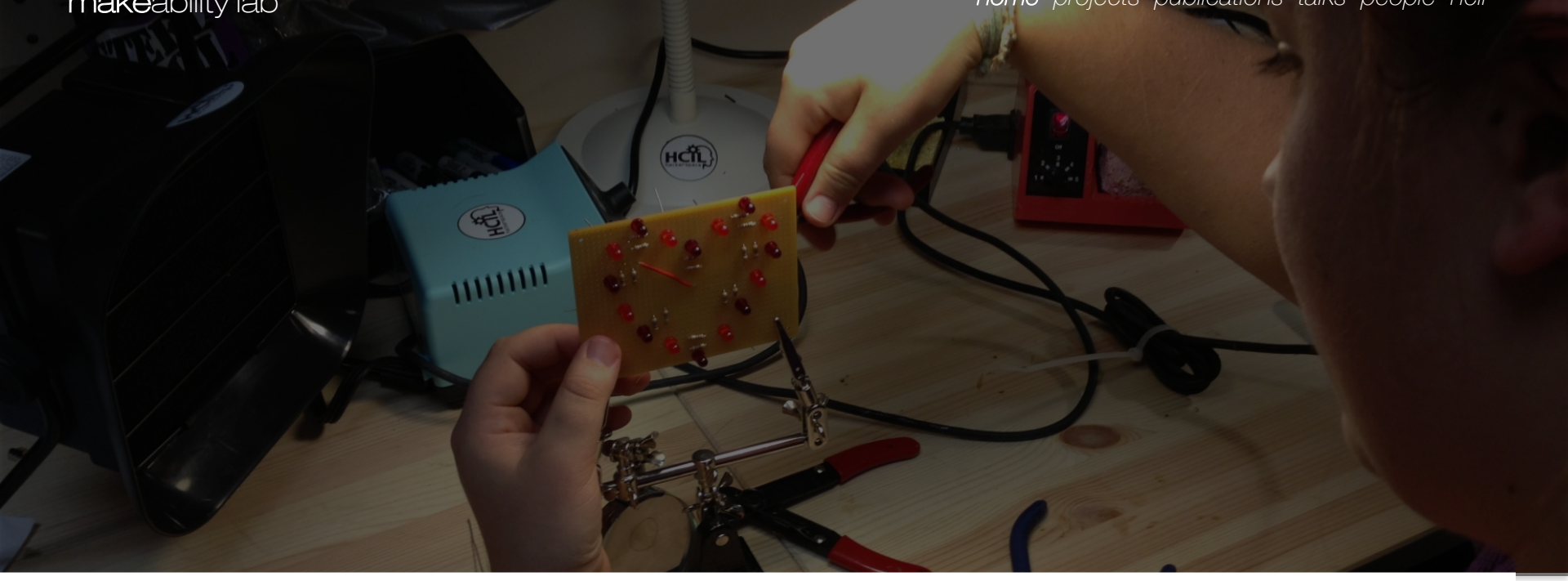

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Sandy Guerriere @SandyGuerriere
@Support Thank you for your support. #Twitter #Support is awesome. ;-)

Ayuda y Soporte @ayuda
#ProTip Las Tendencias en Twitter para iPhone y Android dependen de las Tendencias que configures en twitter.com via web.

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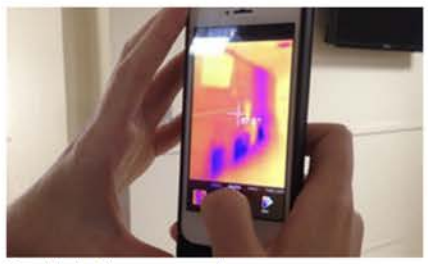

Scalable Thermography

GlassEar

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People Gallery Mocks

People

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5 PhD, 2 MS, 4 Undergrad

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Assistant Professor, CS
University of Maryland

Kotaro Hara
PhD Student, CS
Sidewalk

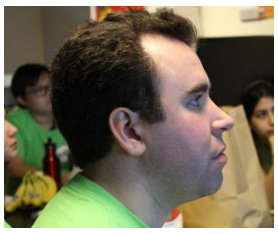
Zachary Lawrence
Undergrad, CprE
Sidewalk

Matt Mauriello
PhD Student, CS
SFF, Thermography

Ladan Najafizadeh
MS Student, CS
E-Textiles, Sidewalk

Majeed Kazemitabaar
MS Student, CS
MakerWear

Manaswi Saha
PhD Student, CS
University of Maryland



Lee Stearns
PhD Student, CS
University of Maryland

Liang He
PhD Student, CS
University of Maryland

Seokbin Kang
PhD Student, CS
University of Maryland

Leyla Norooz
PhD Student, iSchool
University of Maryland

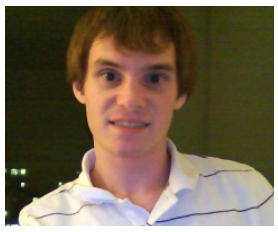
Alumni

Dhruv Jain
Summer Intern, 2014
GlassEar

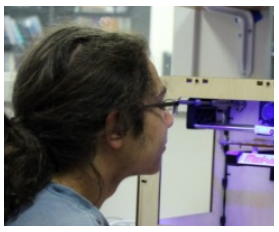
Michael Gubbels
iSchool, MS, 2013-2015
SFF, Pixel

Victoria Le
Undergrad, CS, 2012-2013
Sidewalk

Robert Moore
Undergrad, CS, 2012-2013
Sidewalk



Sean Panella
Undergrad, CS, 2013
Sidewalk

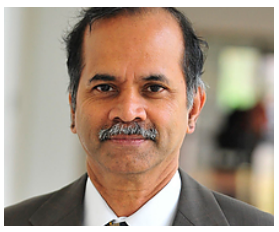


Sean Panella
High School Intern, 2013
Sidewalk

Collaborators

David Jacobs
Professor, CS
University of Maryland
Sidewalk

Leah Findlater
Assistant Prof, iSchool
University of Maryland
HandSight, Touchscreen Accessibility



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University of Maryland
HandSight

Ramani Duraiswami
Professor, CS
University of Maryland
GlassEar

Christian Volger
Associate Prof, Com Studies
Gallaudet University
GlassEar

Shiri Azenkot
Assistant Prof, CS
Cornell Tech
BusStop

PAST COLLABORATORS

Collaborators from > 1 year ago; titles and affiliations are from time of collaboration

Eric Hekler
Assistant Prof, Nutrition & Health
Arizona State University

Pedja Klasnja
Assistant Prof, iSchool
University of Michigan

People

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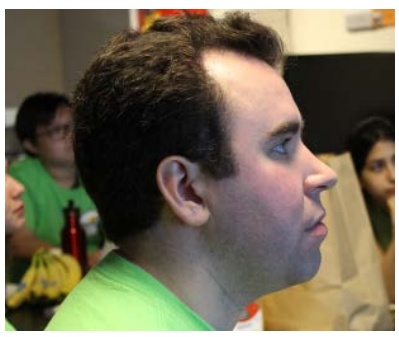

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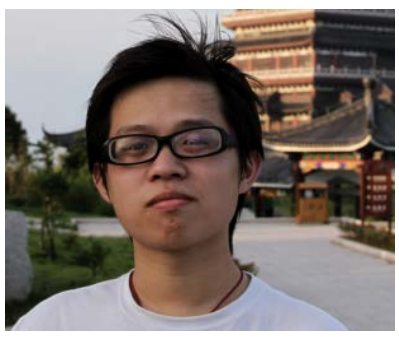

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Ladan Najafizadeh
MS Student, CS
E-Textiles, Sidewalk

Majeed Kazemitabaar
MS Student, CS
MakerWear

Leyla Norooz
PhD Student, iSchool
University of Maryland

Alumni

Dhruv Jain
Summer Intern, 2014
GlassEar

Michael Gubbels
iSchool, MS, 2013-2015
SFF, Pixel

Victoria Le
Undergrad, CS, 2012-2013
Sidewalk

Robert Moore
Undergrad, CS, 2012-2013
Sidewalk

Collaborators

People

Faculty and Grad Students | Alumni | Collaborators | Past Collaborators

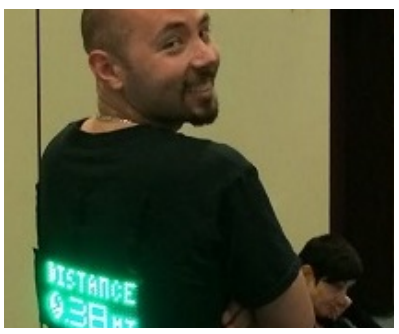
Faculty and Grad Students

5 PhD, 2 MS, 4 Undergrad

Jon Froehlich
Assistant Professor, CS
University of Maryland

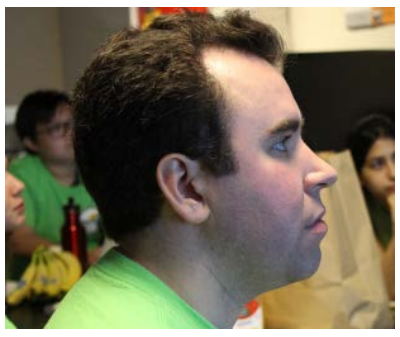
Kotaro Hara
PhD Student, CS
Sidewalk

Zachary Lawrence
Undergrad, CprE
Sidewalk



Matt Mauriello
PhD Student, CS
SFF, Thermography

Manaswi Saha
PhD Student, CS
University of Maryland



Lee Stearns
PhD Student, CS
University of Maryland

Liang He
PhD Student, CS
University of Maryland

Seokbin Kang
PhD Student, CS
University of Maryland

Ladan Najafizadeh
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Collaborators

News Listing

News

[How to Eat If You're Trying to Lose Weight, According to a Dietitian]

POPSUGAR - 14 hours ago

Like most people trying to **lose weight**, I listened to the experts. Instead of eating breakfast, ...

How to Eat If You're Trying to Lose Weight, According to a Dietitian

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Optional additional elements
News type (?)

When clicked, UI updates with these different elements

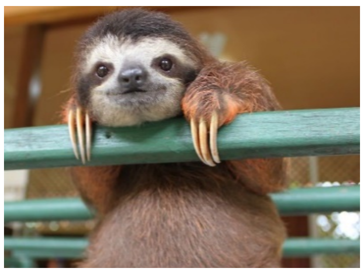
GROUP BY
Month
Author
Recent
None

MONTH
Jan. 2018 (1)
Feb. 2018 (10).
Mar. 2018 (9)
. . . (etc)

AUTHOR
Jon Froehlich
Johnsn Kuang
Aileen Zeng
. . . (etc)

RECENT
Displays news posted within certain timeframe (e.g. 24 hours)

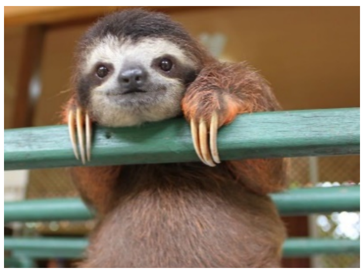
PROJECT
Glass Ear
Sidewalk
Handsight



Lorem ipsum dolor sit amet, consectetur adipiscing home brew elit

Jon Froehlich – 14 hours ago

Vivamus turpis nunc, rutrum eu metus id, venenatis molestie sem. Lorem ipsum dolor sit amet, consectetur adfasdf...



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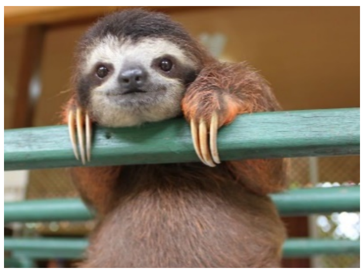

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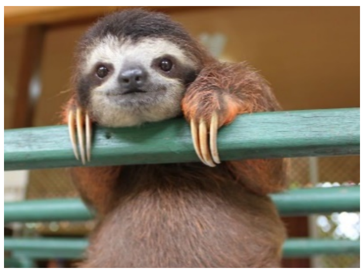

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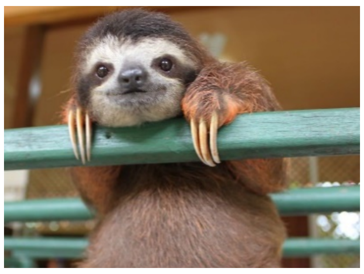

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Older

Newer

makeability lab

home projects publications talks people hcil

News

GROUP BY
Year
Pub Type
None

YEAR
2016 (1)
2015 (10)
2014 (6)
2013 (10)
2012 (4)
2011 (5)
2010 (7)
2009 (9)
2008 (6)
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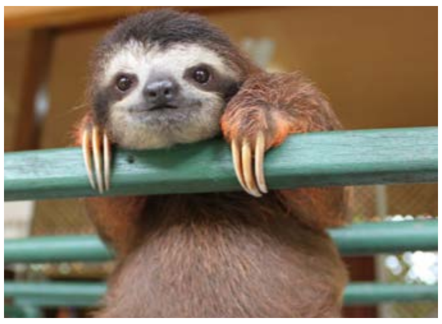
2006 (3)
2005 (2)
2004 (2)



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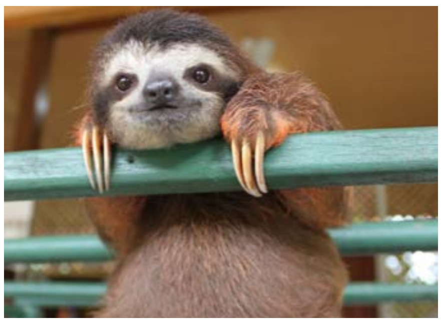

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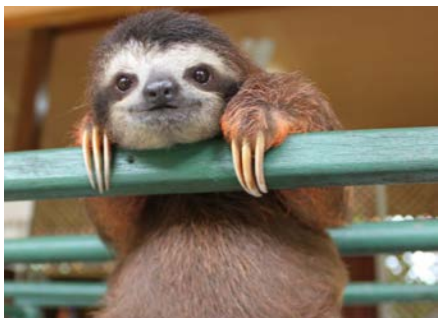

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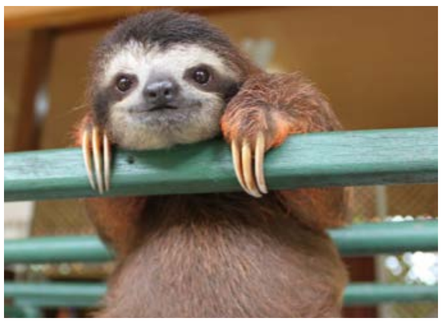

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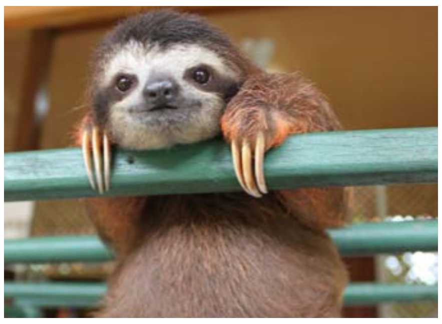

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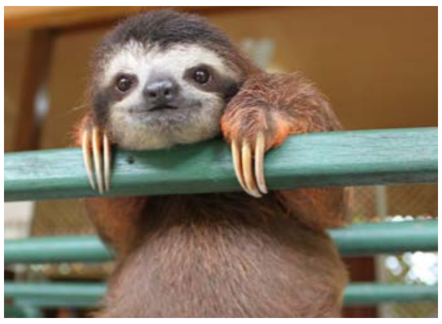

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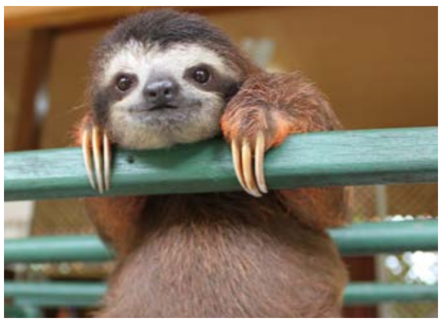

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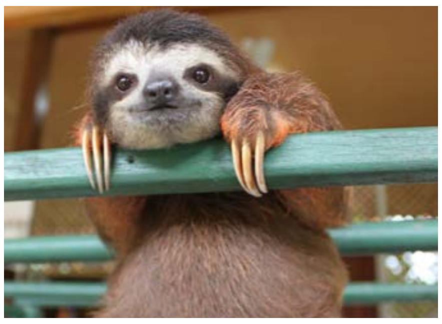

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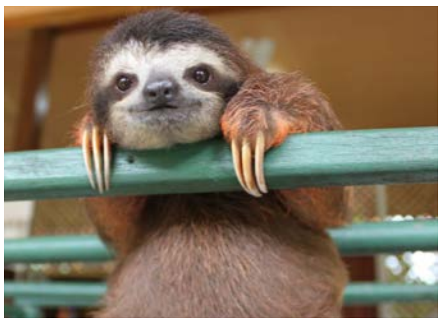

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Older

Newer

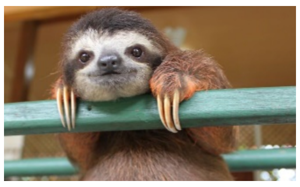
News

Filter elements

Lorem ipsum dolor sit amet, consectetur adipiscing home brew elit

14 hours ago **Jon Froehlich**

Vivamus turpis nunc, rutrum eu metus id, venenatis molestie sem. Lorem ipsum dolor sit amet, consectetur adfasdf sjdfl lsdjfl sldjfla l;dsajf slda;f metus id, venenatis molestie sem. Lorem ipsum dolor sit amet, consectetur adfas sldfjl slfjla;lkslkdflkjslkjfdslkjsflkjlkjfslkfslk s . . .



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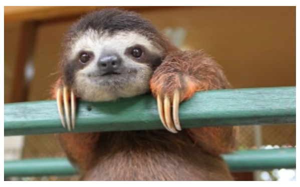

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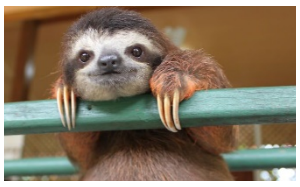

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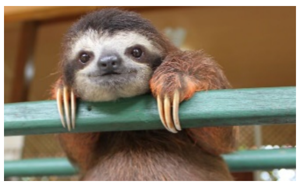
Vivamus turpis nunc, rutrum eu metus id, venenatis molestie sem. Lorem ipsum dolor sit amet, consectetur adfasdf sjdfl lsdjfl sldjfla l;dsajf slda;f metus id, venenatis molestie sem. Lorem ipsum dolor sit amet, consectetur adfas sldfjl slfjla;lkslkdflkjslkjfdslkjsflkjlkjfslkfslk s . . .



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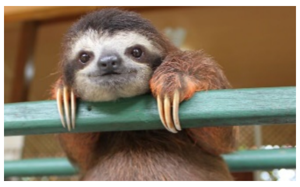

Older

Newer

Individual Person Page

Jon Froehlich

Jon Froehlich
Assistant Professor, CS
University of Maryland
Email: jonf@cs.umd.edu
Twitter: @jonfroehlich
Website: http://www.cs.umd.edu/~jonf

FILTER

GROUP BY
Year
Pub Type
Project
None

YEAR
2016 (5)
2015 (9)
2014 (7)
2013 (10)
2012 (4)

Publications

2016

[C.13]

SharedPhys: Live Physiological Sensing, Whole-Body Interaction, and Large-Screen Visualizations to Support Shared Inquiry Experiences
Seokbin Kang, Leyla Norooz, Vanessa Oguamanam, Angelisa Plane, Tamara L. Clegg, Jon E. Froehlich
Proceedings of IDC 2016
sharedphys, bodyvis, physiological sensing, large-screen displays, mixed-reality, scientific inquiry, collaborative learning, stem, wearables
Download: [pdf] | Export [Citation]

[W.6]

The Future Role of Thermography in Human-Building Interaction
Matthew Mauriello, M. Dahlhausen, E. Brown, Manaswi Saha, Jon E. Froehlich
CHI 2016 Workshop: Future of Human-Building Interaction
thermography, human-building interaction, thermal cameras
Download: [pdf] | Export [Citation]

[C.12]

Evaluating Angular Accuracy of Wrist-based Haptic Directional Guidance for Hand Movement
Jonggi Hong, Lee Stearns, Tony Cheng, Jon E. Froehlich, David Ross, Leah Findlater
Proceedings of GI 2016
wearables, haptics, non-visual directional guidance, handsight
Download: [pdf] | Export [Citation]

[O.7]

ReWear: Early Explorations of a Modular Wearable Construction Kit for Young Children
Majeed Kazemitabaar, Liang He, Katie Wang, Chloe Aloimonos, Tony Cheng, Jon E. Froehlich
CHI '16 Extended Abstracts
construction kits, electronic textiles, e-textiles, wearables, children, making
Download: [pdf] | Export [Citation]

[C.11]

The Design of Assistive Location-based Technologies for People with Ambulatory Disabilities: A Formative Study
Kotaro Hara, Christine Chan, Jon E. Froehlich
Proceedings of CHI 2016
accessibility, mobility impairments, formative study, gis, navigation, trip planning
Download: [pdf] | Export [Citation]

2015

[A.1]

Characterizing and Visualizing Physical World Accessibility at Scale Using Crowdsourcing, Computer Vision, and Machine Learning
Kotaro Hara, Jon E. Froehlich
SIGACCESS Newsletter '15
crowdsourcing accessibility, computer vision, google street view, amazon mechanical turk, personalized routing, accessibility map visualizations
Download: [pdf] | Export [Citation]

Talks

2015

Social Fabrics: Designing Wearable Electronics Textiles for Interaction..
Jon E. Froehlich
May 27, 2015 | College Park, Maryland
PDF | PPTX

Making with a Social Purpose
Jon E. Froehlich
March 23, 2015 | Emmanuel College, Cam...
PDF | PPTX

Making with a Social Purpose
Jon E. Froehlich
March 17, 2015 | Washington DC
PDF | PPTX

Jon Froehlich

Jon Froehlich
Assistant Professor, CS
University of Maryland
Email: jonf@cs.umd.edu
Twitter: @jonfroehlich
http://www.cs.umd.edu/~jonf

FILTER

GROUP BY
Year
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March 17, 2015 | Washington DC
PDF | PPTX

Jon Froehlich

Jon Froehlich
Assistant Professor, CS
University of Maryland
email website github twitter

Jon is an Assistant Professor in the Department of Computer Science at the University of Maryland, College Park with an affiliate appointment in the College of Information Studies. He is also a member of the Human-Computer Interaction Laboratory (HCIL), the Institute for Advanced Computer Studies (UMIACS), and the founder of the new HCIL Hackerspace and HCIL research lablet: the Makeability Lab. Research in the Makeability Lab is funded, in part, by a Google Faculty Research Award, a 3M Faculty Award, Nokia, the NSF, and the Department of Defense's Clinical and Rehabilitative Medicine Research Program.

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Talks

2015

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Assistant Professor, CS
University of Maryland

email
website
github
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Jon is an Assistant Professor in the Department of Computer Science at the University of Maryland, College Park with an affiliate appointment in the College of Information Studies. He is also a member of the Human-Computer Interaction Laboratory (HCIL), the Institute for Advanced Computer Studies (UMIACS), and the founder of the new HCIL Hackerspace and HCIL research lablet: the Makeability Lab.

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2016

[C.13]

SharedPhys: Live Physiological Sensing, Whole-Body Interaction, and Large-Screen Visualizations to Support Shared Inquiry Experiences
Seokbin Kang, Leyla Norooz, Vanessa Oguamanam, Angelisa Plane, Tamara L. Clegg, Jon E. Froehlich
Proceedings of IDC 2016
sharedphys, bodyvis, physiological sensing, large-screen displays, mixed-reality, scientific inquiry, collaborative learning, stem, wearables
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[W.6]

The Future Role of Thermography in Human-Building Interaction
Matthew Mauriello, M. Dahlhausen, E. Brown, Manaswi Saha, Jon E. Froehlich
CHI 2016 Workshop: Future of Human-Building Interaction
thermography, human-building interaction, thermal cameras
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[C.12]

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ReWear: Early Explorations of a Modular Wearable Construction Kit for Young Children
Majeed Kazemitabaar, Liang He, Katie Wang, Chloe Aloimonos, Tony Cheng, Jon E. Froehlich
CHI '16 Extended Abstracts
construction kits, electronic textiles, e-textiles, wearables, children, making
Download: [pdf] | Export [Citation]

Talks

2015

Social Fabrics: Designing Wearable

Making with a Social Purpose

Making with a Social Purpose

Jon Froehlich

Jon Froehlich
Assistant Professor, CS
University of Maryland

email
website
github
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Social Fabrics: Designing Wearable Electronics Textiles for Interaction..
Jon E. Froehlich
May 27, 2015 | College Park, Maryland
PDF | PPTX

Making with a Social Purpose
Jon E. Froehlich
March 23, 2015 | Emmanuel College, Cam...
PDF | PPTX

Making with a Social Purpose
Jon E. Froehlich
March 17, 2015 | Washington DC
PDF | PPTX

2014

Recent News

Kotaro Hara Successfully...
Aug 15, 2016 | Jon E. Froehl...
I am pleased to announce that Kotaro Hara passed his PhD defense this afternoon on "Scalable Methods to Collect and Visualize Sidewalk Accessibility Data for People with Mobility...

BodyVis in 2016 NSF STEM for AL...
May 24, 2016 | Seokbin Kang
We are excited to announce that our research video BodyVis: Advancing New Science Learning and Inquiry Experiences received special recognition as Facilitator's Choice in 2016 NSF Video...

Summer Internship at Adobe Research!
Apr 07, 2016 | Manaswi Saha
I am excited to announce that I will be spending my summer at Adobe Research in San Jose, CA. I will be working in the area of Internet of Things (IoT) in the BigData Experience Lab. Broadly...

Best Late Breaking Work for ReWear
Apr 07, 2016 | Majeed Kaze...
I'm happy to announce that our CHI'16 Late Breaking Work entitled ReWear: Early Explorations of a Modular Wearable Construction Kit for Young Children was just honored...

ACM-W Scholarship to...
Mar 01, 2016 | Manaswi Sa...
I have been awarded ACM-W Scholarship for attending ACM CHI 2016 in May! It's a brilliant scholarship for women in CS when they are starting out in their research career. It gives an...

Talk Gallery Mocks

Talks

2015

Social Fabrics: Designing Wearable Electronic Textiles for Interaction, Introspection, & Inquiry
Jon Froehlich, May 28, 2015, HCIL Symposium
PDF | PPTX | Slideshare | Video

Making with a Social Purpose
Jon Froehlich | March 16, 2015 | American University

Making with a Social Purpose
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Characterizing Physical World Accessibility at Scale Using Crowdsourcing, Computer Vision, and Machine Learning
Jon Froehlich | Oct 29, 2014 | CMU HCII

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If you Built It, They Will Come: Reflecting on the Successes (and Failures) of Building the HCIL Hackerspace
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GROUP BY
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None

YEAR
2015 (3)
2014 (9)
2013 (11)
2012 (11)
2011 (18)
2010 (13)
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2008 (5)
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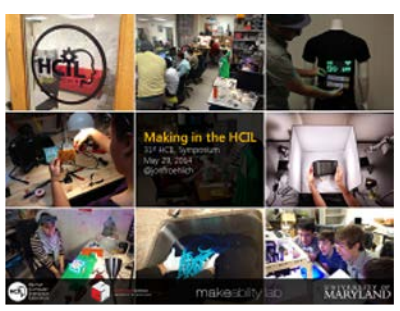

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Pubs List Mocks

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2016

[C.28]

The Design of Assistive Location-Based Technologies for People With Ambulatory Disabilities: A Formative Study

Kotaro Hara, Christine Chan, **Jon E. Froehlich**

Proceedings of CHI 2016 *To Appear* | Acceptance Rate: 23% (538/2300)

keywords: accessibility, mobility impairments, formative study, gis, navigation, trip planning

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CHI '15 Extended Abstracts | Acceptance Rate: 45% (240/529)

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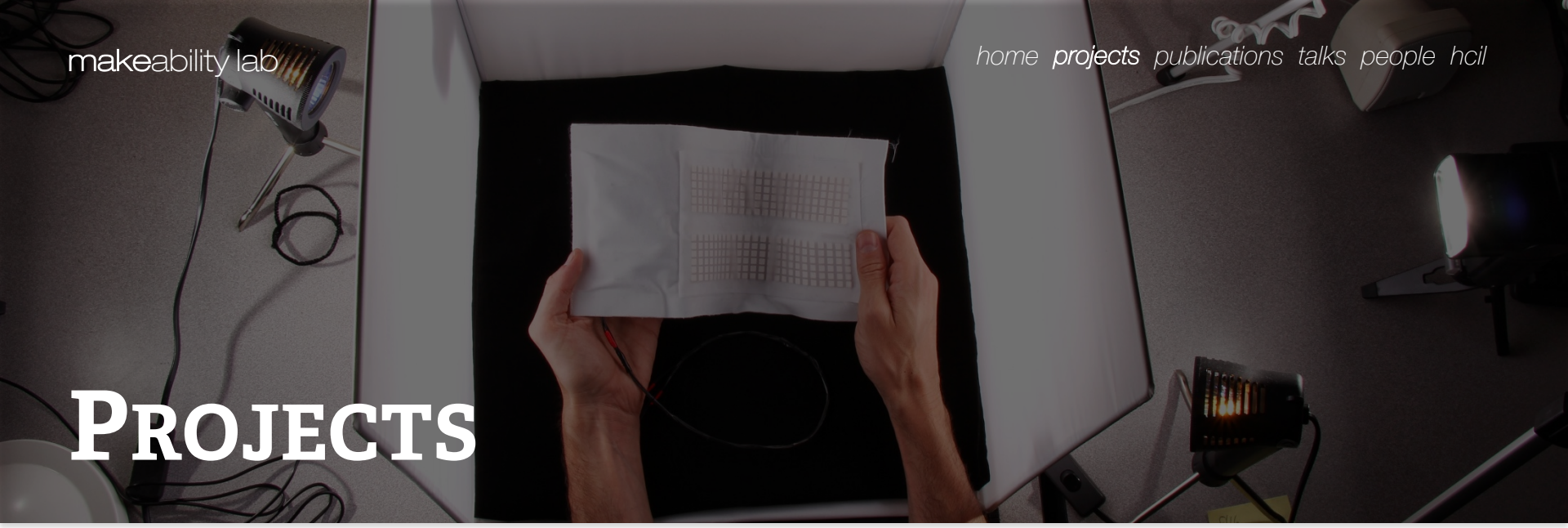
Project Gallery Mocks

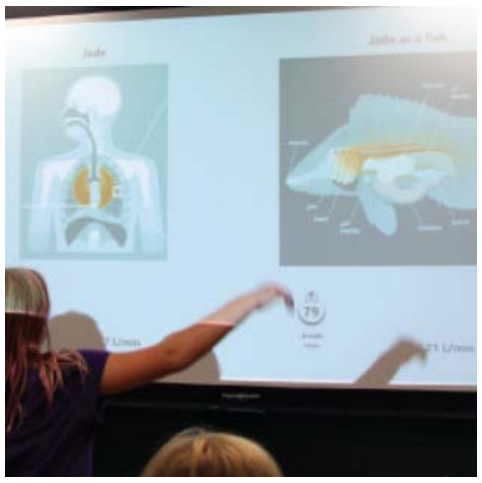


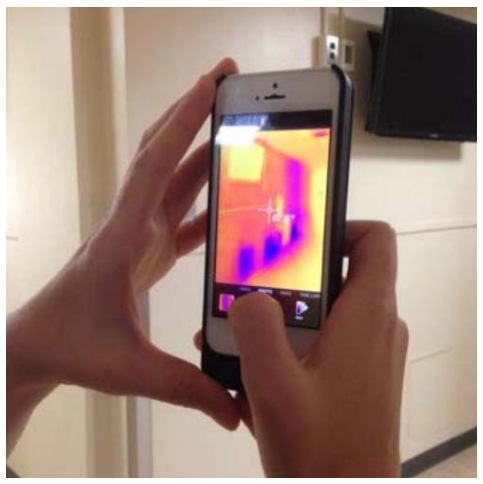
Projects

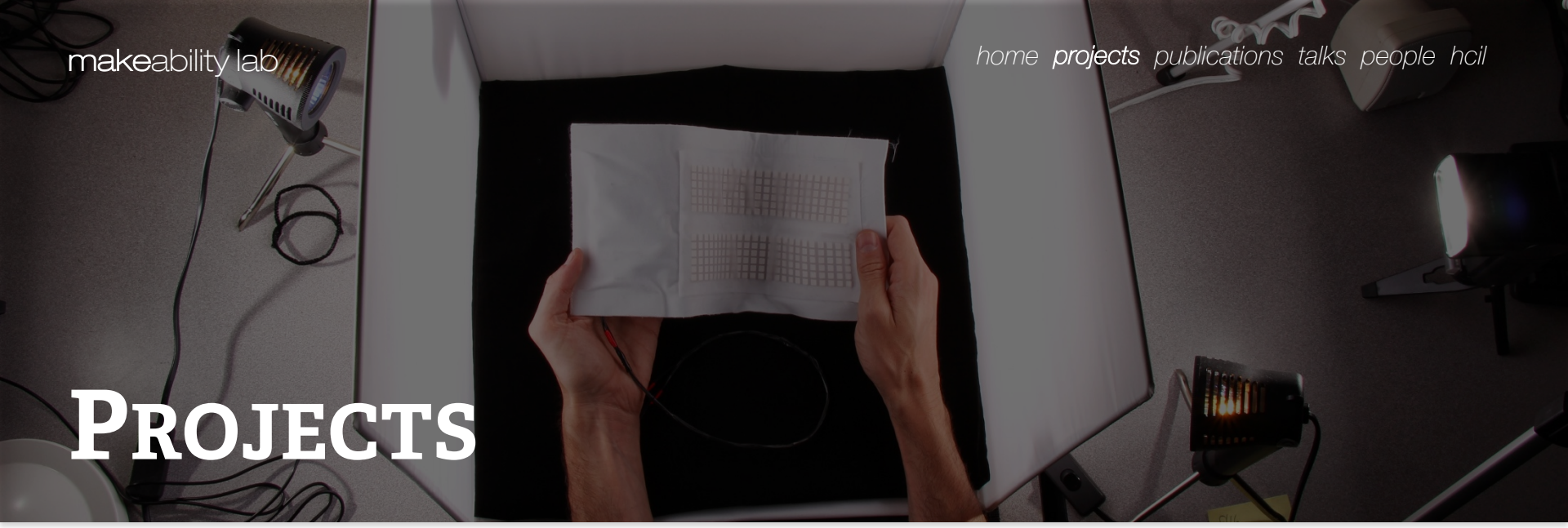
Project Categories

Wearables (8)
Accessibility (5)
Smart Cities (3)
Health (5)
Education (4)
Sustainability (8)
Creativity Support (2)

Recent Projects







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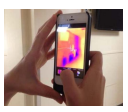
Project Categories

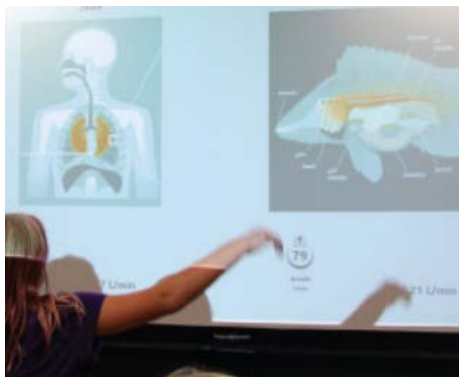
Recent Projects

GlassEar
Updated 3 days ago

Project Sidewalk
Updated 6 days ago

Popular Projects





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Mixed-reality live physiological learning tool

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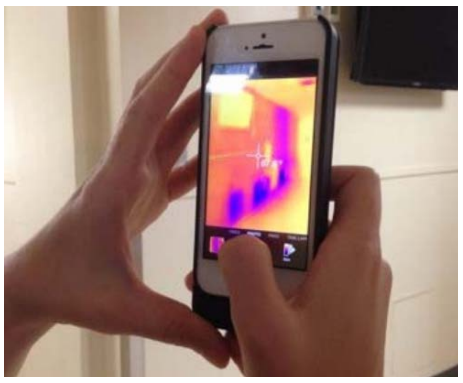
Imbuing physical objects with social media

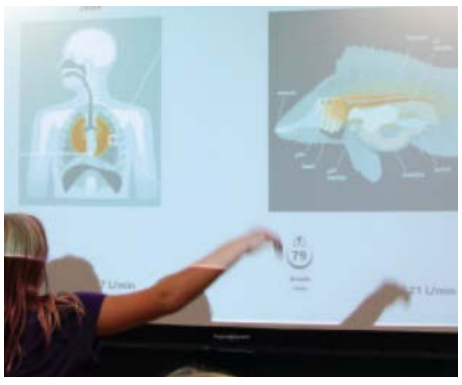


Pervasive Thermography
Investigating future of thermography

BodyVis
E-textiles for body learning & scientific inquiry

Star Wars
Mustaches and brown hair

Red Guy Face
Very funny, laugh laugh lauh



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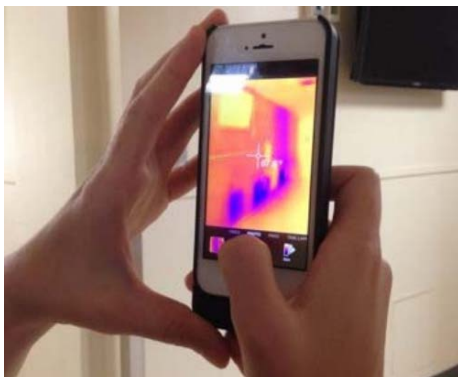
ILikeThisShirt
Imbuing physical objects with social media

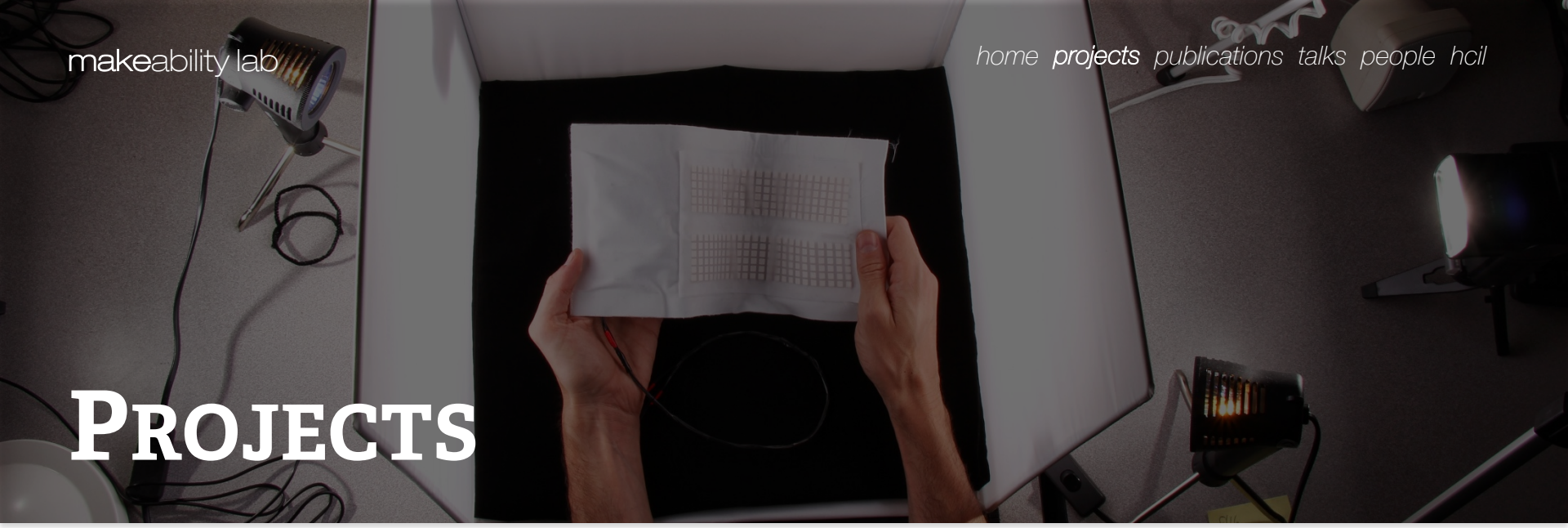


Pervasive Thermography
Investigating future of thermography

BodyVis
E-textiles for body learning & scientific inquiry

Star Wars
Mustaches and brown hair

Red Guy Face
Very funny, laugh laugh lauh



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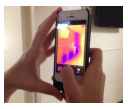

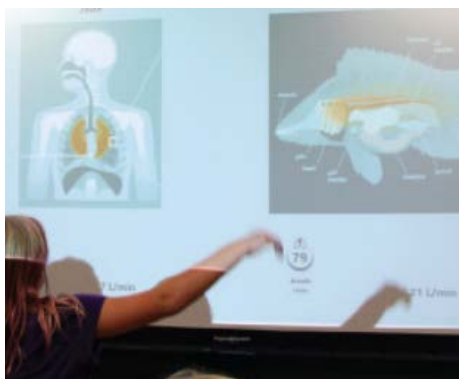

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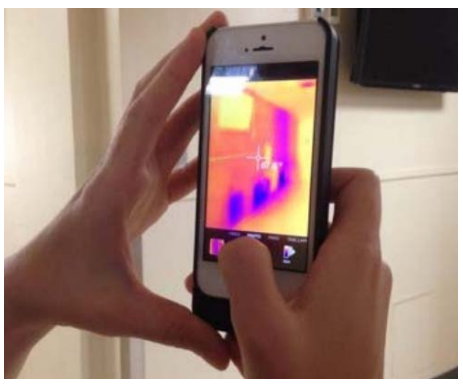

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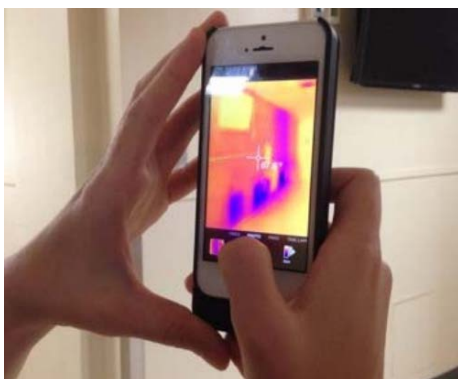

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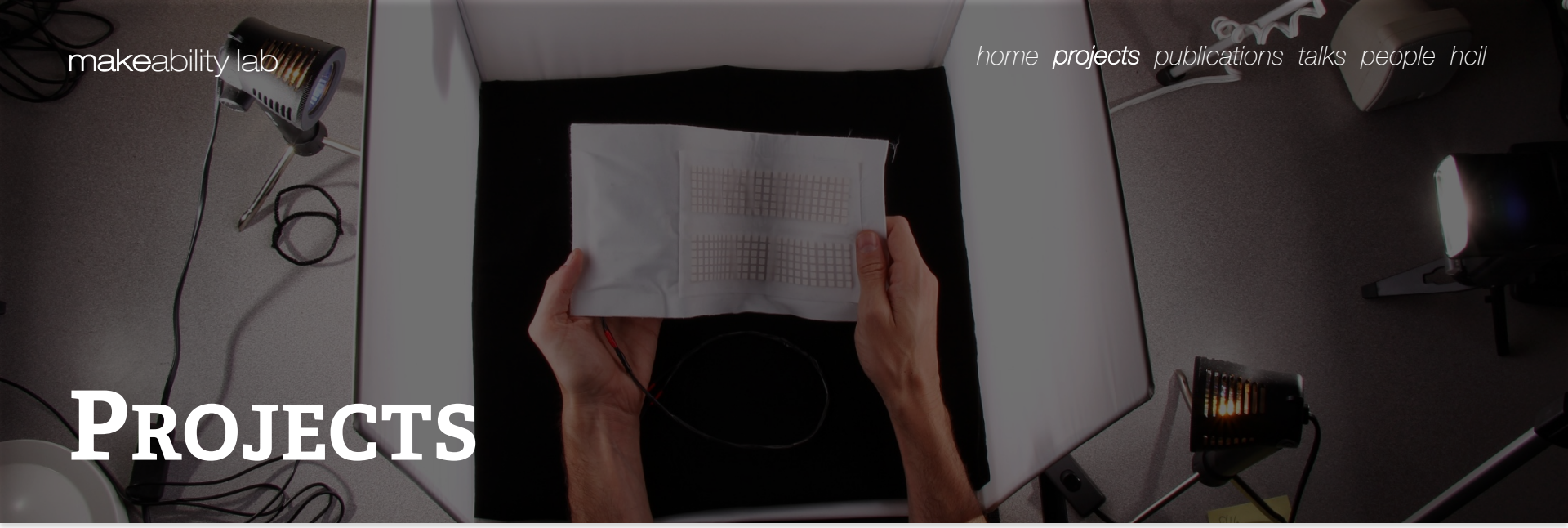

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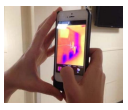

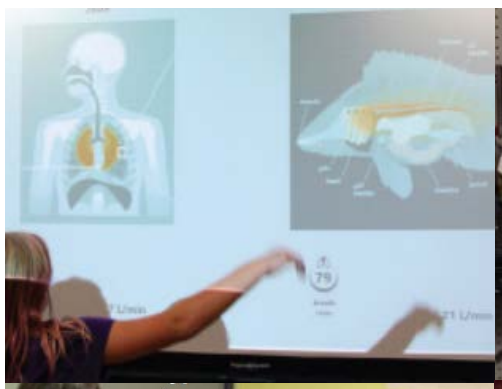

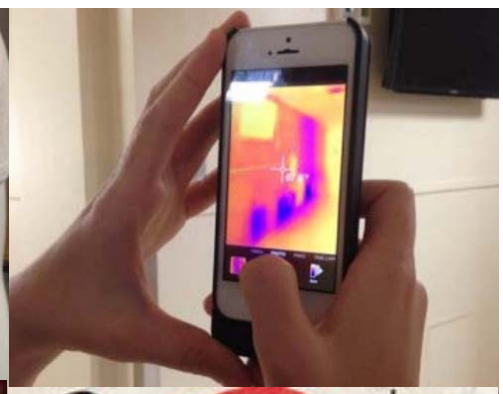

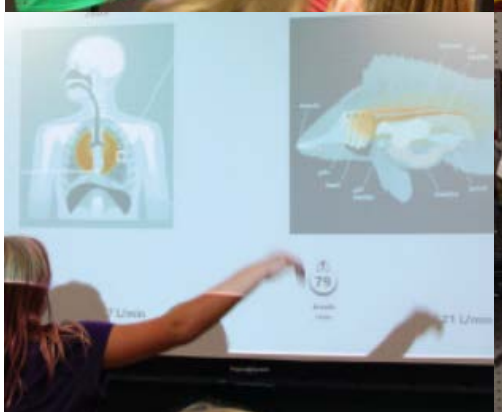

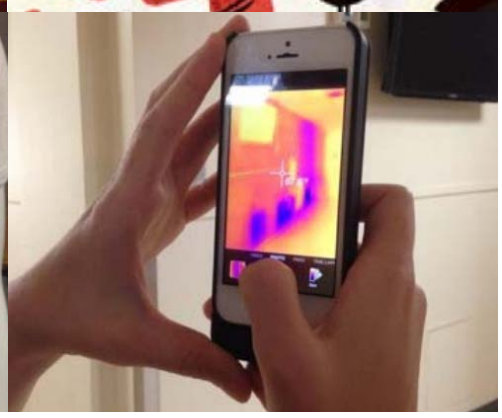

Individual Project

Page Mocks

BodyVis

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While our primary content area is the human body, we use the body and physical activity as a pathway to other STEM areas such as biology, health, and mathematics. Our initial work focuses on identifying key design considerations, exploring the understandability and aesthetics of our prototypes, and examining how BodyVis and SharedPhys engage children in learning and inquiry.

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Photo Gallery

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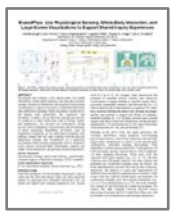
Video Gallery



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Video Gallery

Photo Gallery
















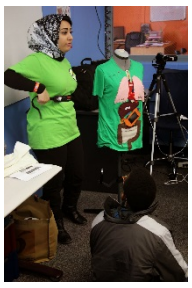

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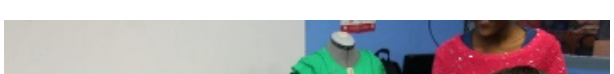

BodyVis

Some statement about BodyVis that is awesome and fun to read and makes me excited! Yah! This is fun!

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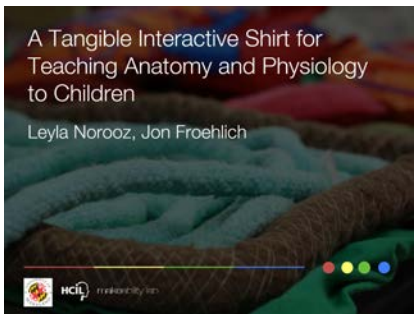

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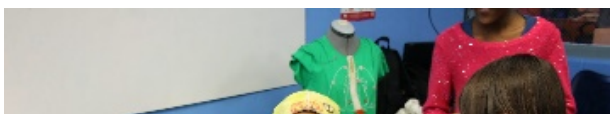

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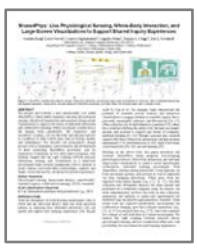

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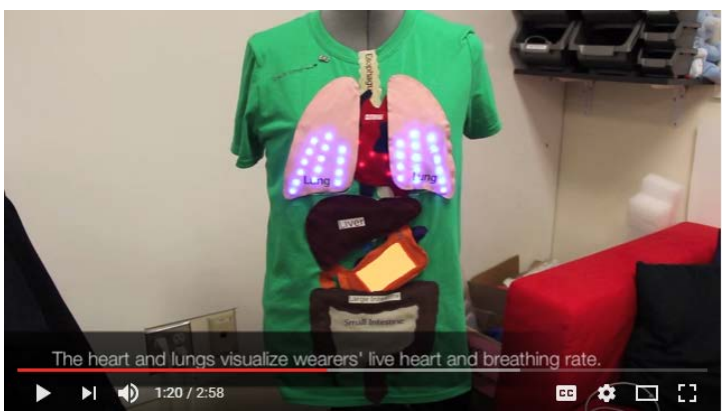

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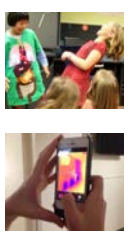

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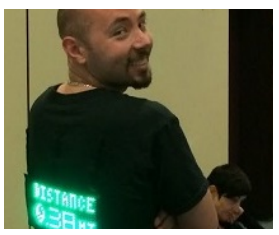
People

Jon Froehlich
Assistant Professor, CS
University of Maryland

Kotaro Hara
PhD Student, CS
Sidewalk

Zachary Lawrence
Undergrad, CprE
Sidewalk

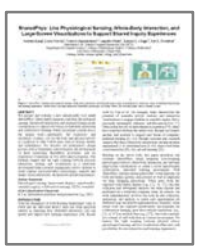


Matt Mauriello
PhD Student, CS
SFF, Thermography

Ladan Najafizadeh
MS Student, CS
E-Textiles, Sidewalk

Majeed Kazemitabaar
MS Student, CS
MakerWear

Publications



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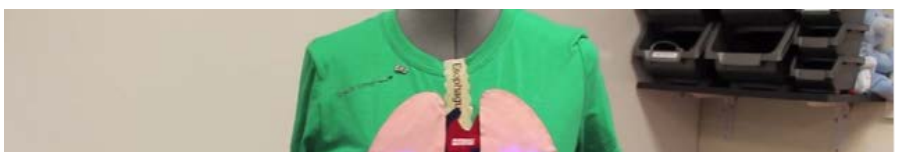

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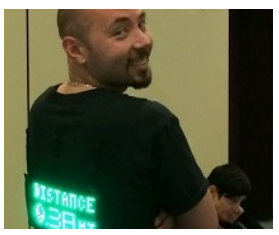

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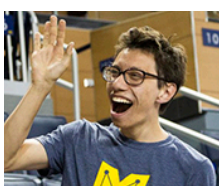

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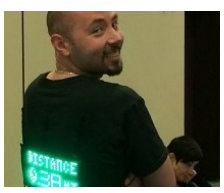

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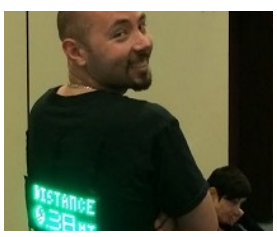

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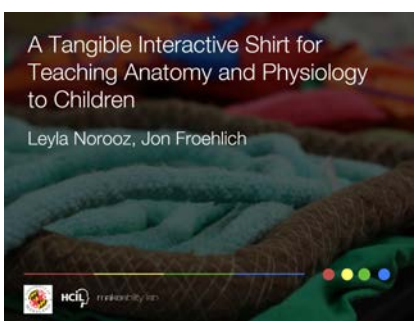

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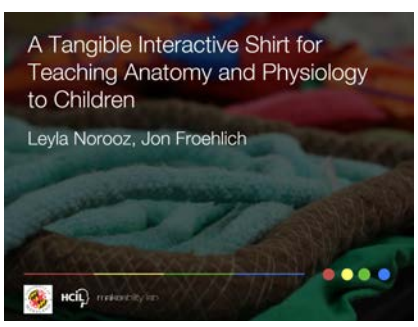

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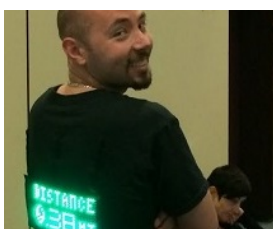

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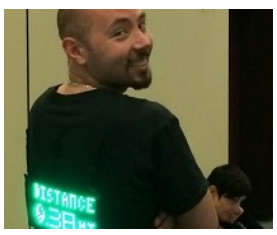

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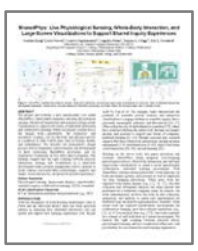

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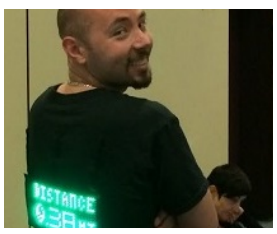

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