Inside The

AEC Hackathon™

Technology in
Architectural Practice
AIA Knowledge Communities

AIA

1. Define what is a Hackathon and how the process, event and community are affecting the Architecture profession.
2. Understand the AEC Hackathon Community and its influence on Research & Development for the Architecture profession.
3. Expose attendees to innovations in design, construction and facility management that has grown out of the AEC Hackathon.
4. How to use Hackathon methods and procedures to affect measurable change in an architectural practice.

AEC Hackathon

AIA TAP

Founders

Paul Doherty
the digit group, inc.

www.thedigitgroupinc.com

Damon Hernandez
Web3D Consortium / IDEABuilder

www.ideabuilder.com

AEC Hackathon™

facebook®

AEC Hackathon
1.2
Help upgrade the toolbox of those building our world. Join us this Summer in the Pacific Northwest!

AEC Hackathon
2.0
New York
January 30 - February 1, 2015

AEC HACKATHON 2.1
CHICAGO 2015
MARCH 6-8
BUILTWORLDS

AEC Hackathon
2.2
Dallas
May 1 - 3, 2015

BECK

RO Rogers-O'Brien CONSTRUCTION

Newforma

AUTODESK.

KREYSLER & ASSOCIATES

ADDISON TREEHOUSE

unity

Quimby Heavy Industries

SPIRALCONCEPTS

IDEAbuilder
Interactive Design, Engineering and Architecture

the digit group, inc.

Supporting Organizations & Media Partners

web 3D CONSORTIUM

The Marketer Project

dFab Net

IEEE

Cohab Shreveport-Bossier City

KHRONOS GROUP

BUILTWORLDS

ACMSIGGRAPH

AIA

Ideas Need a Space to Collide…

Chance Favors the Connected Mind…

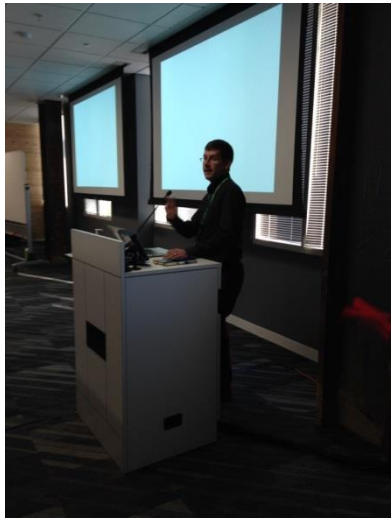
Agenda

Friday

6:00pm	Registration/Mixer
6:30pm	Welcome/Introductions
6:45pm	Why an AEC Hackathon?
7:00pm	Lightning Round
8:45pm	Team Formations
9:00pm	Adjourn

Saturday

8:00am	Team Check In/Breakfast
8:30am	Morning Welcome/Hackathon Brief/Snacks and Beverages provided through the Hackathon
9:00am	Hackathon Kickoff - Team Brainstorming/Sketch/Design/Code (AEC and Tech Workshops throughout the day until 5:00pm)
1:00pm	Working Lunch
7:00pm	Working Dinner



HACK THROUGH THE NIGHT #HACKSTRONG

Sunday

8:00am	Working Breakfast
12:00pm	Hackathon Coding Concludes/upload to Google Drive/Lunch
12:30pm	Hackathon Presentations Begin
3:30pm	Judging Concludes/Final Awards and Recognitions (The final awards may be held earlier or later depending on duration of hack presentations)
~4:00pm	Closing Remarks/Adjourn/AfterHack Party

Goals

- Innovative Solutions for the AEC Industry
- Open Source / Freeware
- Build a Community & Trusted Relationships
- Disrupt :: Break Things :: Innovate
- AEC Hackathon Trophy
- Right Reasons

WOUNDED WARRIOR PROJECT

VETSINTECH

AEC Hackathon HACK

category: Smart Buildings/Cities

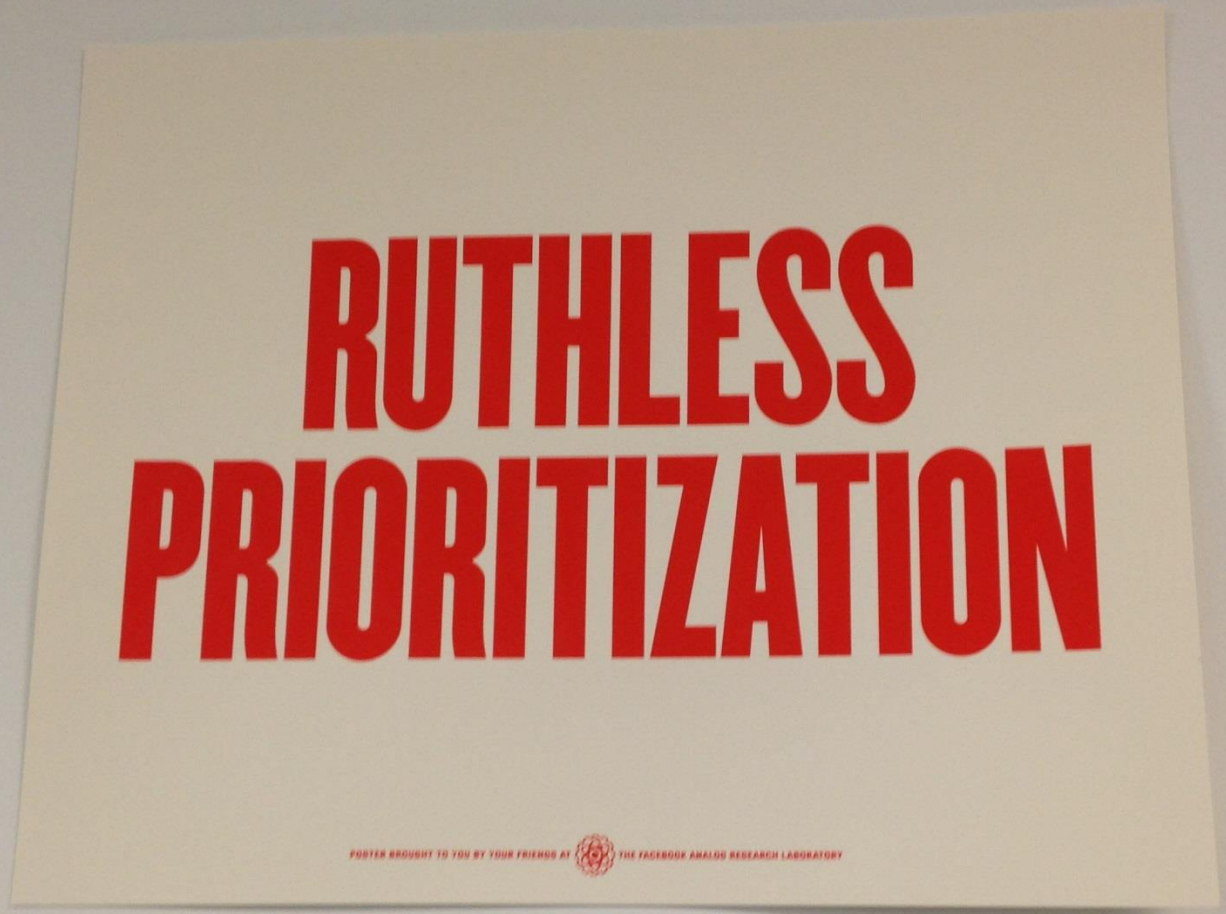
category: Design

category:GIS & 3D

category: Construction

category: Content/Data Pipeline

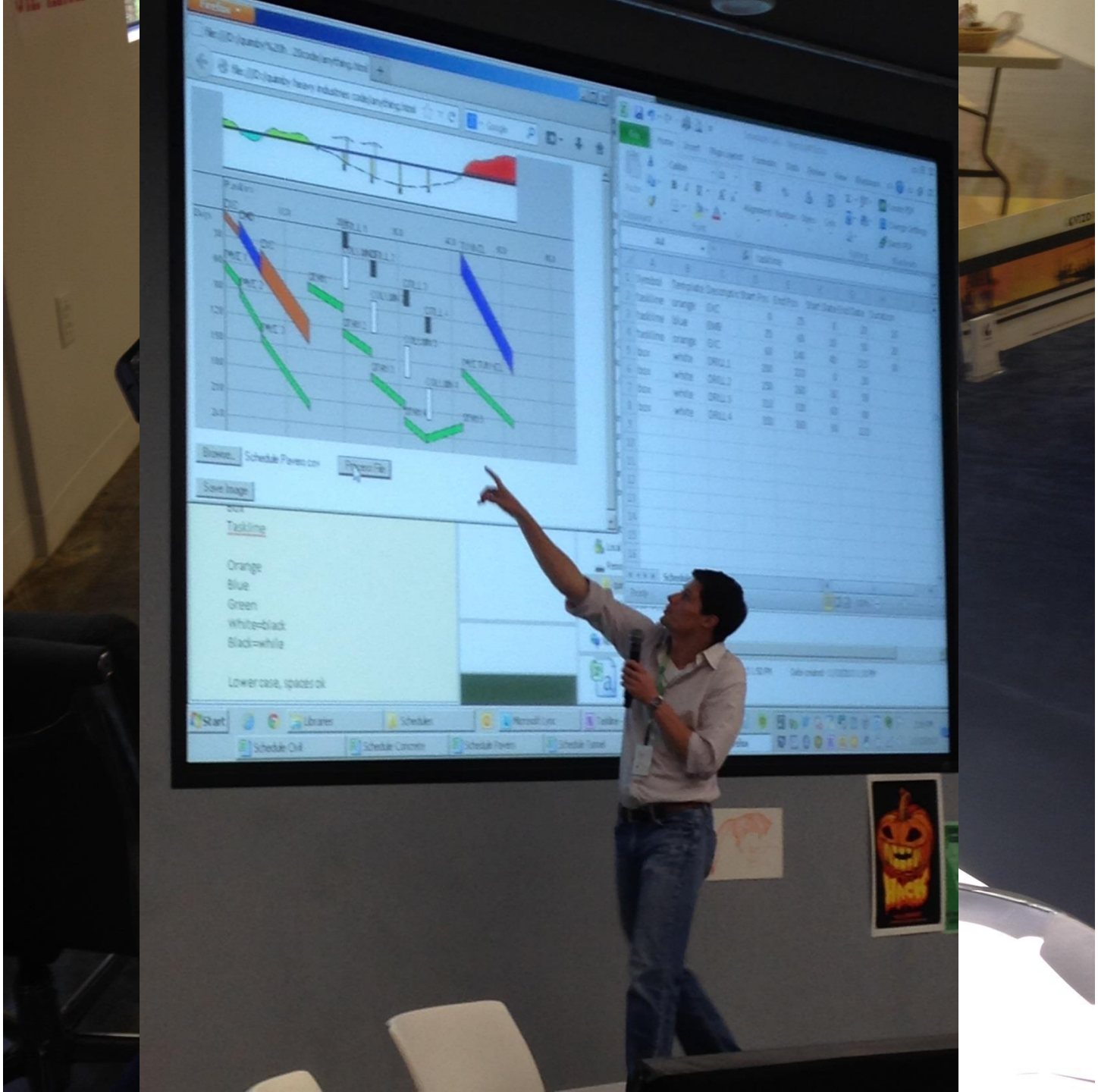
FORTUNE
FAVOURS
THE BOLD


RUTHLESS
PRIORITIZATION
POSTER BROUGHT TO YOU BY YOUR FRIENDS AT THE FACEBOOK ANALOG RESEARCH LABORATORY

GIS/SQL QUERIES IN BIM
revit_objects
POINT:
1 ABSTRACT WHAT YOU CARE ABOUT
2 BE PART OF LARGER SYSTEM
BIM
DB
GIS

Shrimp
NIBNAKS
Falafel
Stacy's

Innovations / Solutions


Tasklines
Orange
Blue
Green
White=black
Black=white
Lower case, spaces ok

aeChack

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aechack.github.io

Apps | the digit group | Facebook | the digit group | Lin... | Google+ | (9) Twitter | Laughing Squid | My Meetings - Zoom | Amazon.com: Paul ... | Minecraft | Parmesan Crusted T... | Cedar Plank Salmon... | Other bookmarks

aeChack

The web site for Team aeCkack's high energy entry to the AEC Hackathon held at Facebook HQ in Menlo Park CA, November 8-10, 2013.

The team entry was a winner. Then again, so were all the entries from the other half dozen teams.

aeChack Read Me on GitHub

Source code on GitHub

aeChack Accomplishments
What the team accomplished.

Contributors
Project hot shots, kool kids and calorific colleagues.

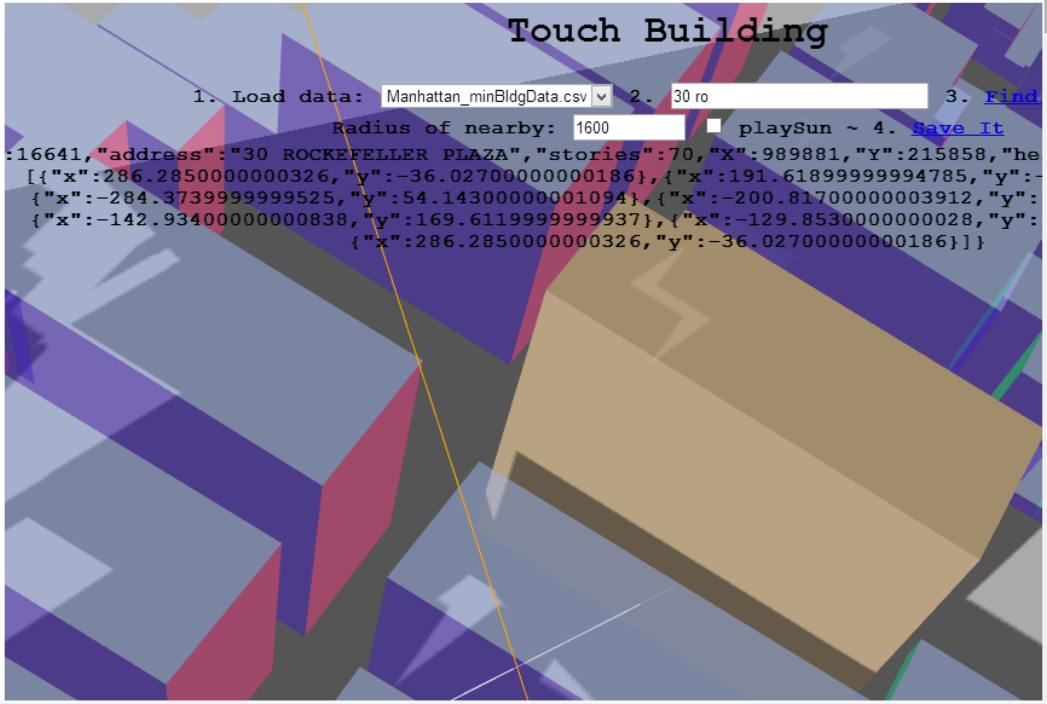
Hot Links
Links to sites that may be of further interest.

Photo Gallery
Photos of the Hackathon.

aeChack Copyright and License

Concept

aeChack is a free, online and open source platform for running and visualizing environmental analysis using daylighting and energy analysis engines.



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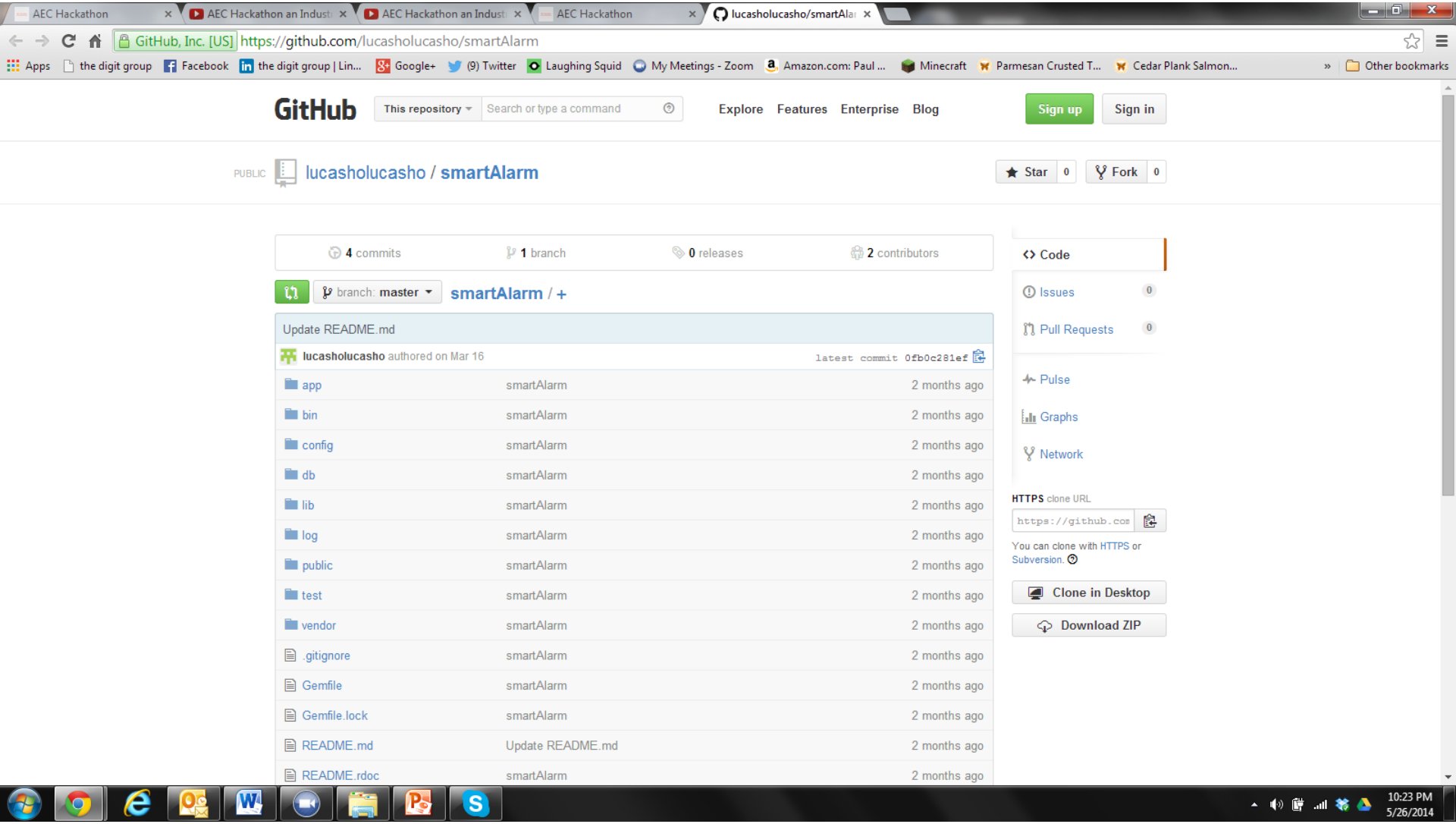
5/26/2014

SmartAlarm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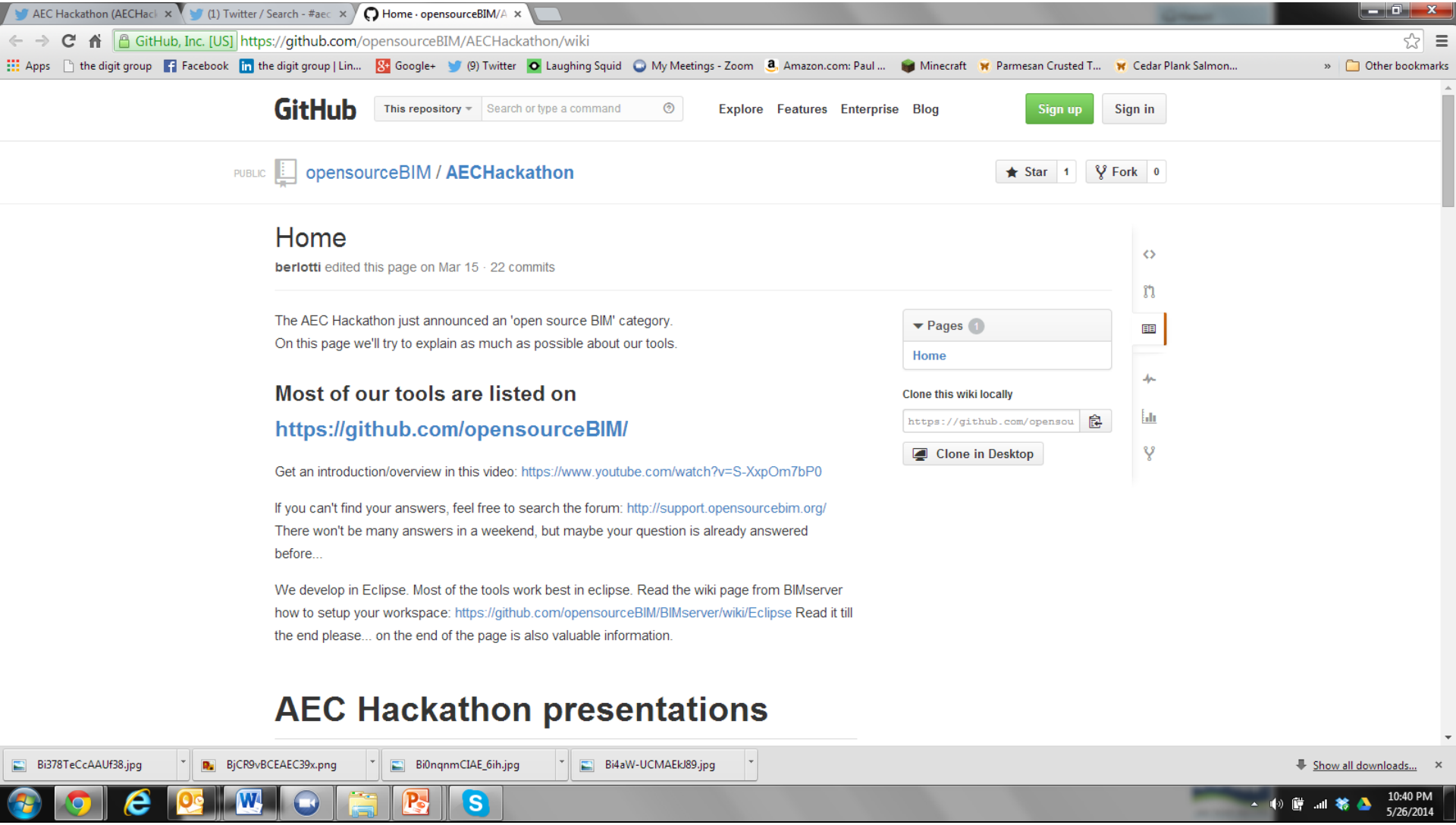
lucasholucasho/smartAlar
GitHub, Inc. [US] https://github.com/lucasholucasho/smartAlarm
Apps
the digit group
Facebook
the digit group | Lin...
Google+
(9) Twitter
Laughing Squid
My Meetings - Zoom
Amazon.com: Paul ...
Minecraft
Parmesan Crusted T...
Cedar Plank Salmon...
Other bookmarks
GitHub
This repository
Search or type a command
Explore
Features
Enterprise
Blog
Sign up
Sign in
PUBLIC
lucasholucasho / smartAlarm
Star 0
Fork 0
4 commits
1 branch
0 releases
2 contributors
branch: master
smartAlarm / +
Update README.md
lucasholucasho authored on Mar 16
latest commit 0fb0c281ef
app smartAlarm 2 months ago
bin smartAlarm 2 months ago
config smartAlarm 2 months ago
db smartAlarm 2 months ago
lib smartAlarm 2 months ago
log smartAlarm 2 months ago
public smartAlarm 2 months ago
test smartAlarm 2 months ago
vendor smartAlarm 2 months ago
.gitignore smartAlarm 2 months ago
Gemfile smartAlarm 2 months ago
Gemfile.lock smartAlarm 2 months ago
README.md Update README.md 2 months ago
README.rdoc smartAlarm 2 months ago
Code
Issues 0
Pull Requests 0
Pulse
Graphs
Network
HTTPS clone URL
https://github.com
You can clone with HTTPS or Subversion.
Clone in Desktop
Download ZIP
10:23 PM
5/26/2014

iBeacon

opensourceBIM



AIA

.bim

Open Source Real Time Environment (Gaming) Standard
Community Built / Community Managed

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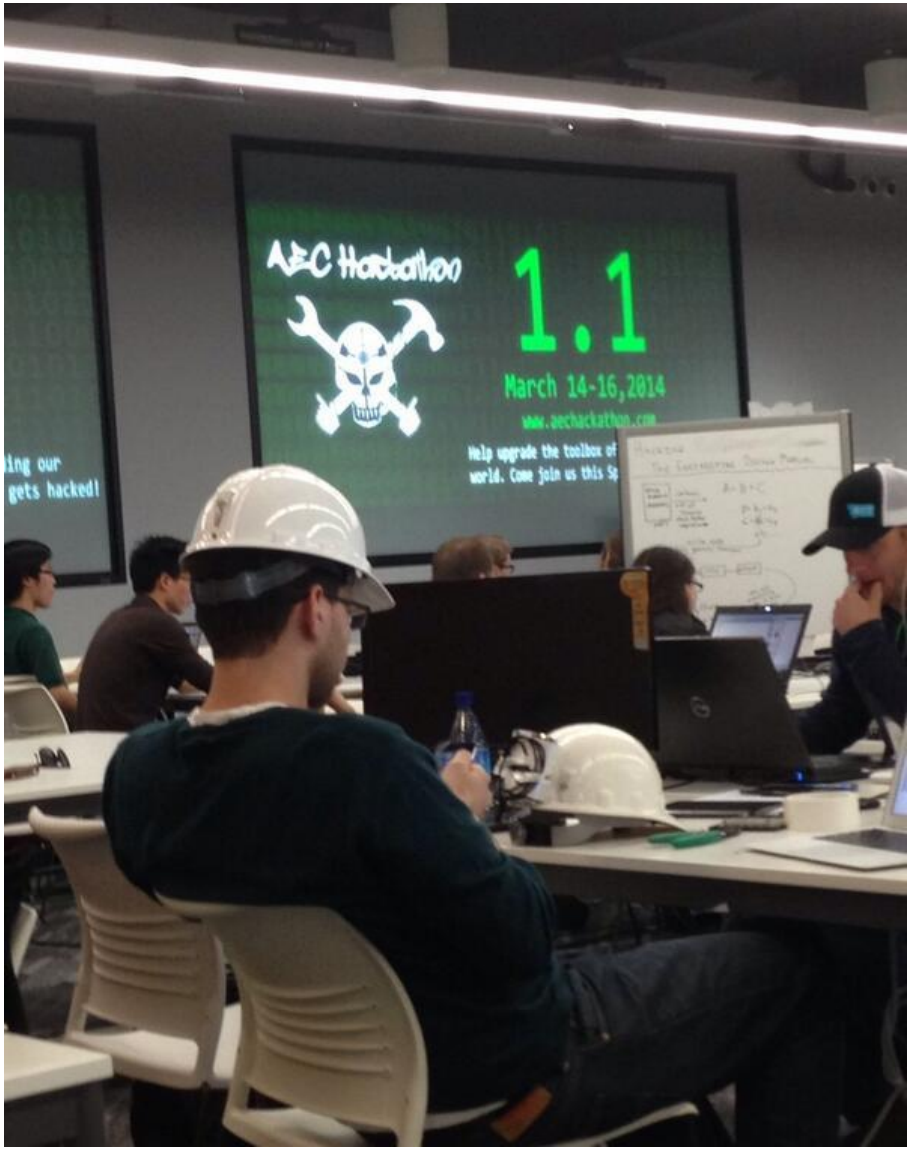

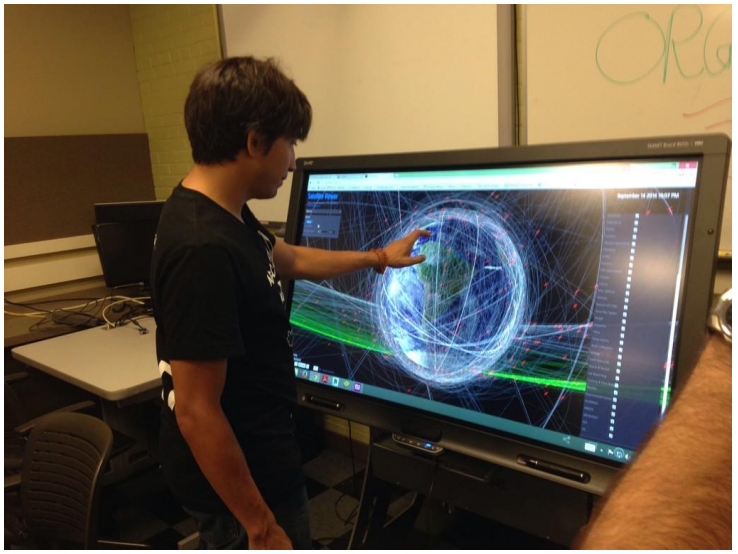

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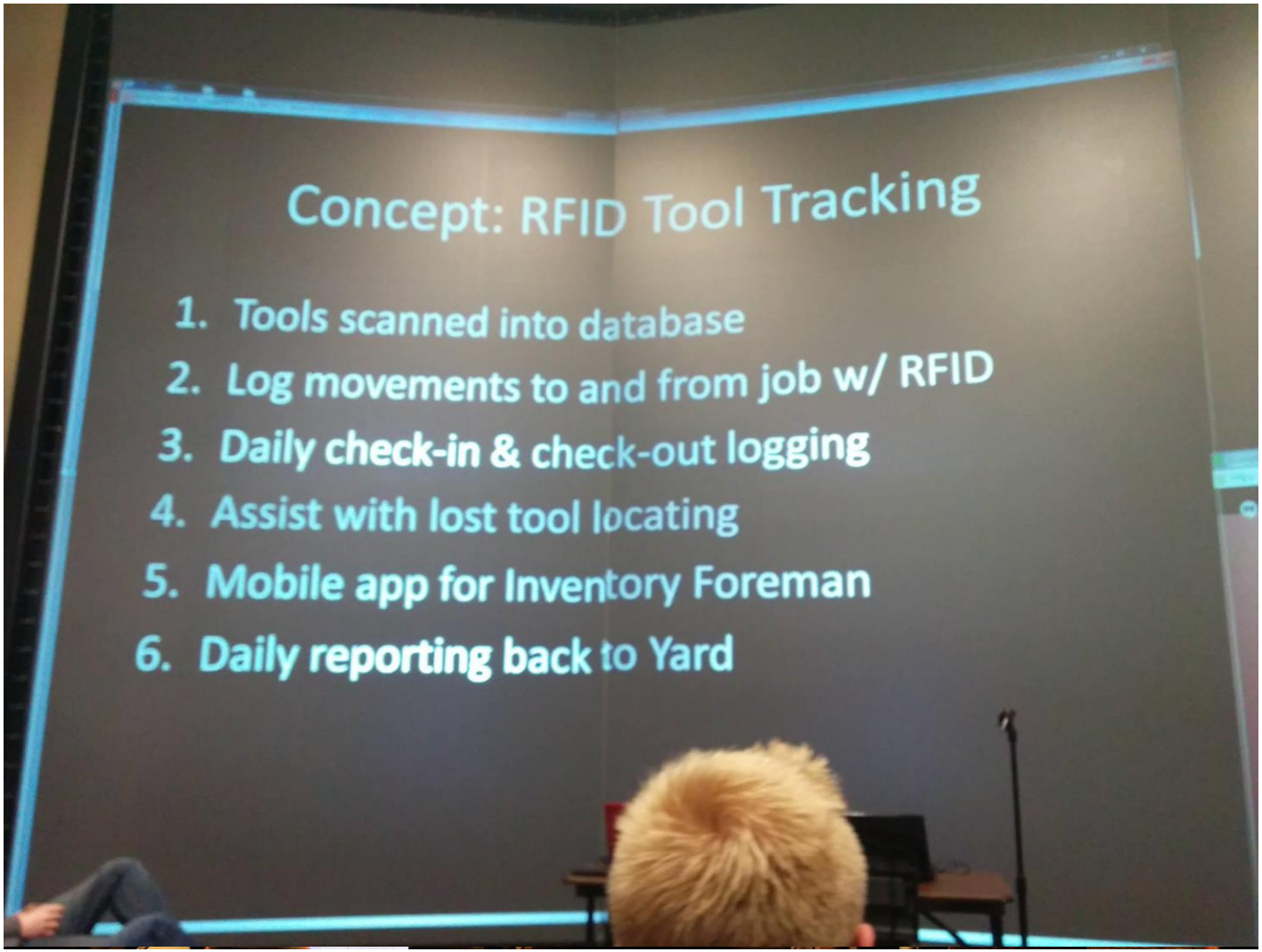
Punchbot

Revit My Drone



Dude, Where's My Nail Gun?

BuildTrak

https://www.youtube.com/watch?v=iEF9CeTsHiA&feature=youtu.be

HazYard

Using Revit in Google Cardboard (VR)

EXIT

AEC Hackathon Girls
AEC Hackathon Kids

AIA

Tools & Solutions

Makers & Outcomes

www.aechackathon.com

Do not follow where the path may lead...
Go instead where there is no path...

And Leave A Trail...

www.aechackathon.com

AIA

By All Means, BREAK THE RULES... Beautifully, Deliberately and Well

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Overview of AEC Hackathon 1.0 @ Facebook
https://www.youtube.com/watch?v=rI7Ve5owCs4

Overview of AEC Hackathon 1.1 @ Facebook
https://www.youtube.com/watch?v=M3JIau8OfhE

AIA

AEC Hackathon 2.0 NYC
January 30-February 1, 2015

Overview of AEC Hackathon 2.0 NYC @ Fieldlens
https://youtu.be/iGKm5WnHZ9I

Overview of AEC Hackathon 2.1 Chicago @ Builtworlds
https://www.youtube.com/watch?v=7ZkwuX1RriY

https://www.youtube.com/watch?v=lTJ0jW9rvHY

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Thank You!