

What is GitHub?

Best place to design, build, and ship software

We started out just hacking on problems that we had with developing software

We've kept that mentality; you should be able to work on cool things that interest you

This is how we hire

This is how we move between roles

This is how we build products and software

Les Son

Use the community for what they're good at

"Simple: at GitHub we hire 'The Girl or Guy Who Wrote X,' where X is an awesome project we all use or admire. Chris What's your X?" Wanstrath

We built a lot of GitHub on existing open source

Or we open sourced almost everything we built in the process

Ernie

Ernie

Ernie

Hubot

Ernie

Boxen Hubot

Ernie

Boxen Hubot

Albino

Ernie

Boxen Hubot

Albino

Resque

Akavanche

Ernie

Boxen Hubot

Albino

Resque

Akavanche

Linguist

Ernie

Boxen Hubot

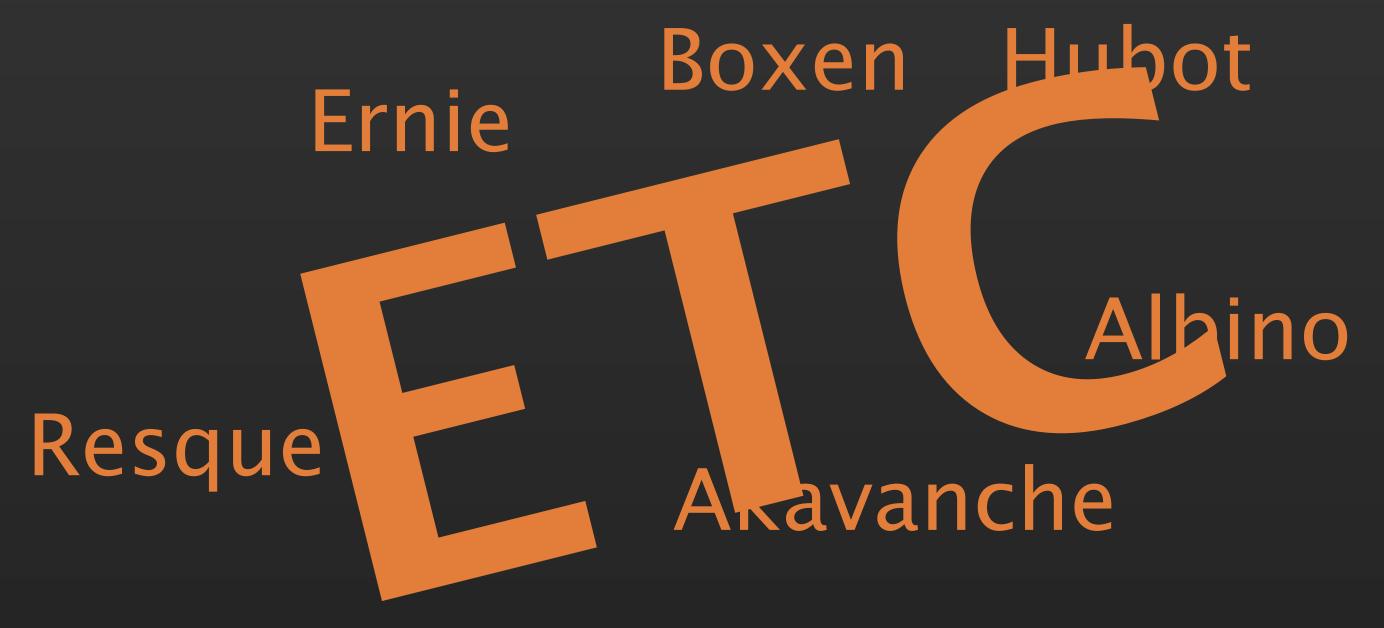
Albino

Resque

Akavanche

Shimmer

Linguist



Linguist

Shimmer

We need these projects to run our company, why not share them!

Now we can see who would work on them with us

We not only open source things, but use others' open source as well

Rails' success comes from the community, how much people loved it, and how much they want to use it

People within the community either worked on Rails itself, or gems that became essential for many projects

They sound like people we can get along with!

It's also super easy to evaluate their code and what working with them would be like by seeing their commits on existing projects





attachment_fu

attachment_fu acts_as_authent icated

attachment_fu authenticatio acts_as_authent icated

restful-

attachment_fu authenticatio acts_as_authent icated

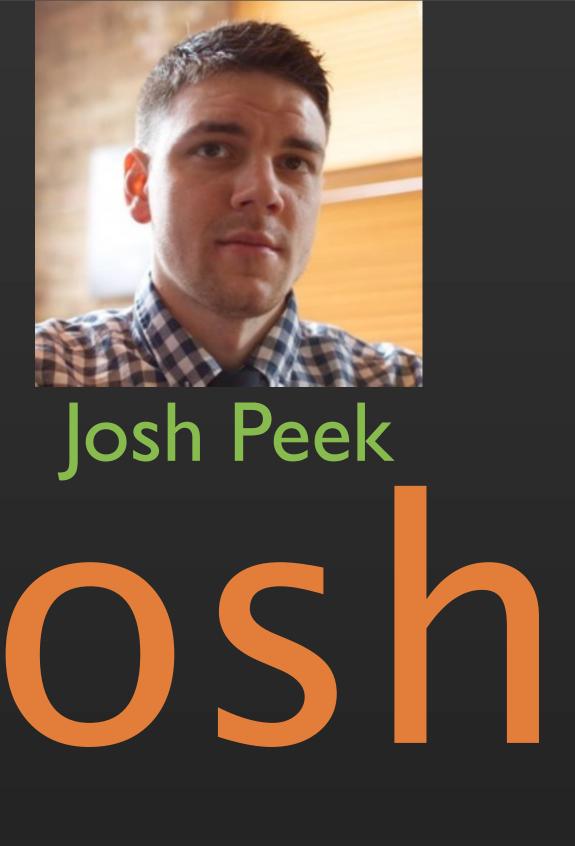
restful-Beastt and Mophisto

attachment_fu authenticatio acts_as_authent Beast and icated

restful-Mophisto

Rails

Early work within the rails community made him stand out. His code interested us and we used some of it too!





rack rack-mount

rack rack-ssl rack-mount

rack rack-ssl rack-mount tilt rack rack-ssl rack-mount tilt

Rails

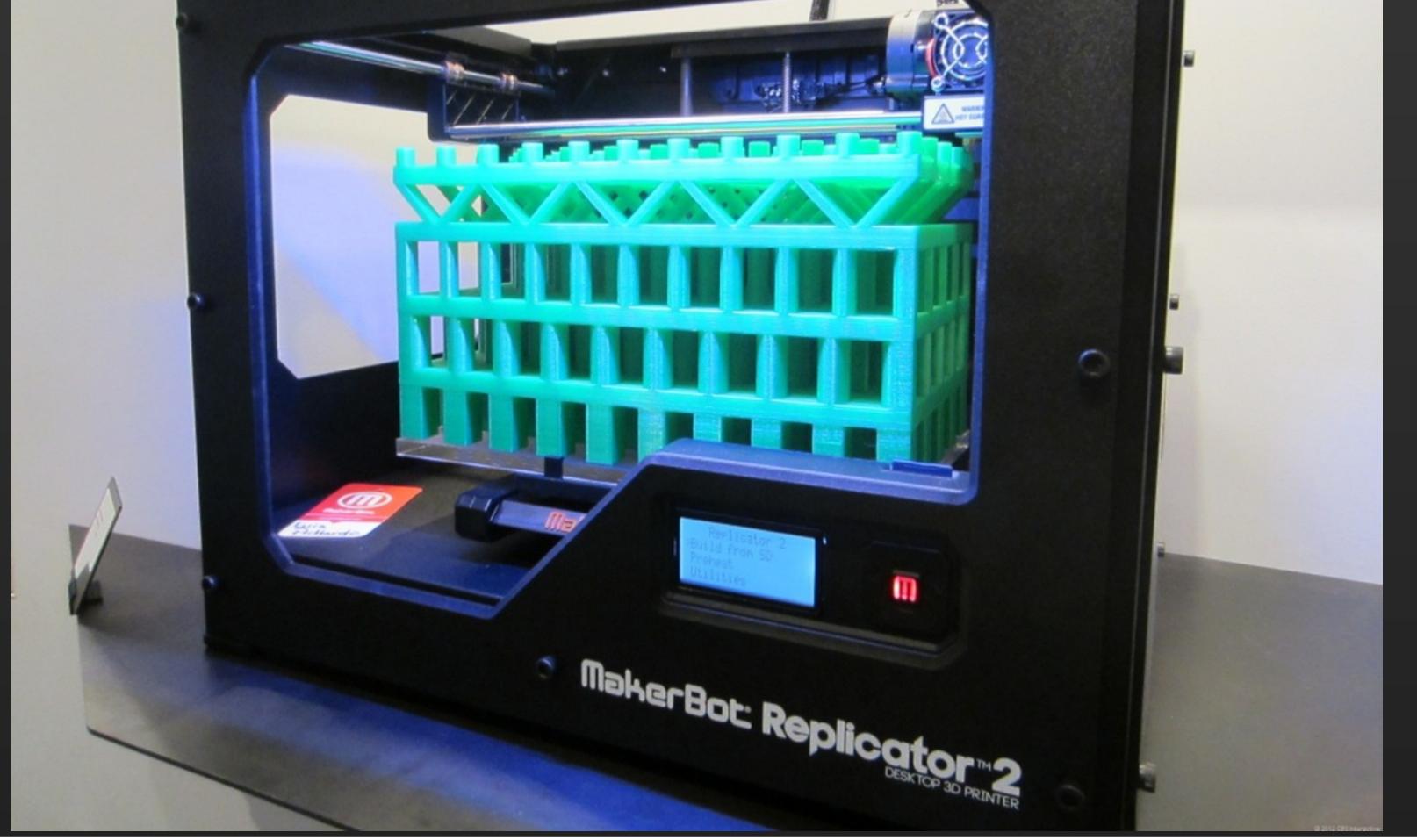
Not only were they working on the tools that drove our company, they contributed to employees' open source projects as well

If you're going to hire people to work on your products, it helps if they're already working on open source parts of that product

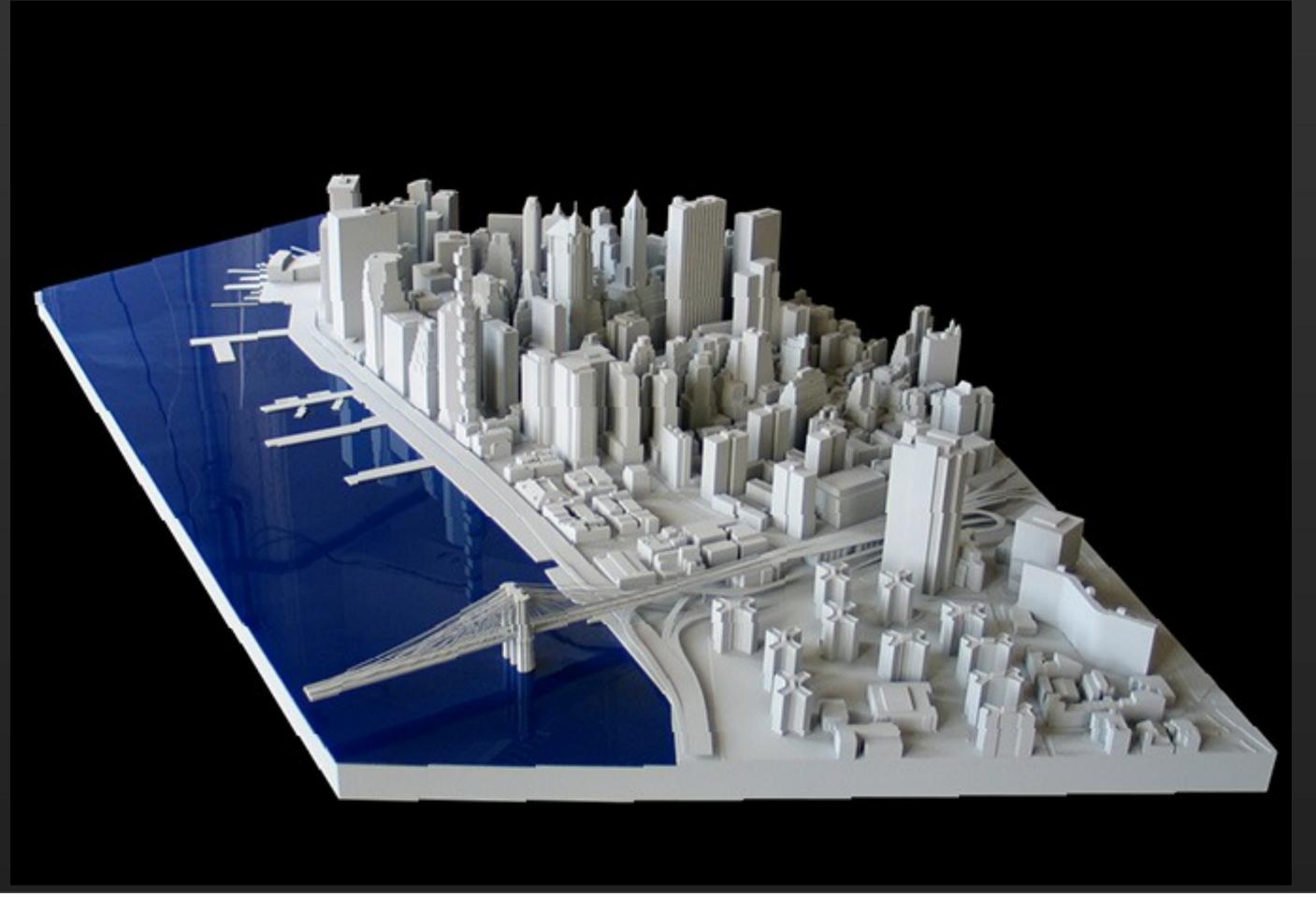
Lesson

Let your employees find things they love working on, and see them grow into roles they love

3D printed objects







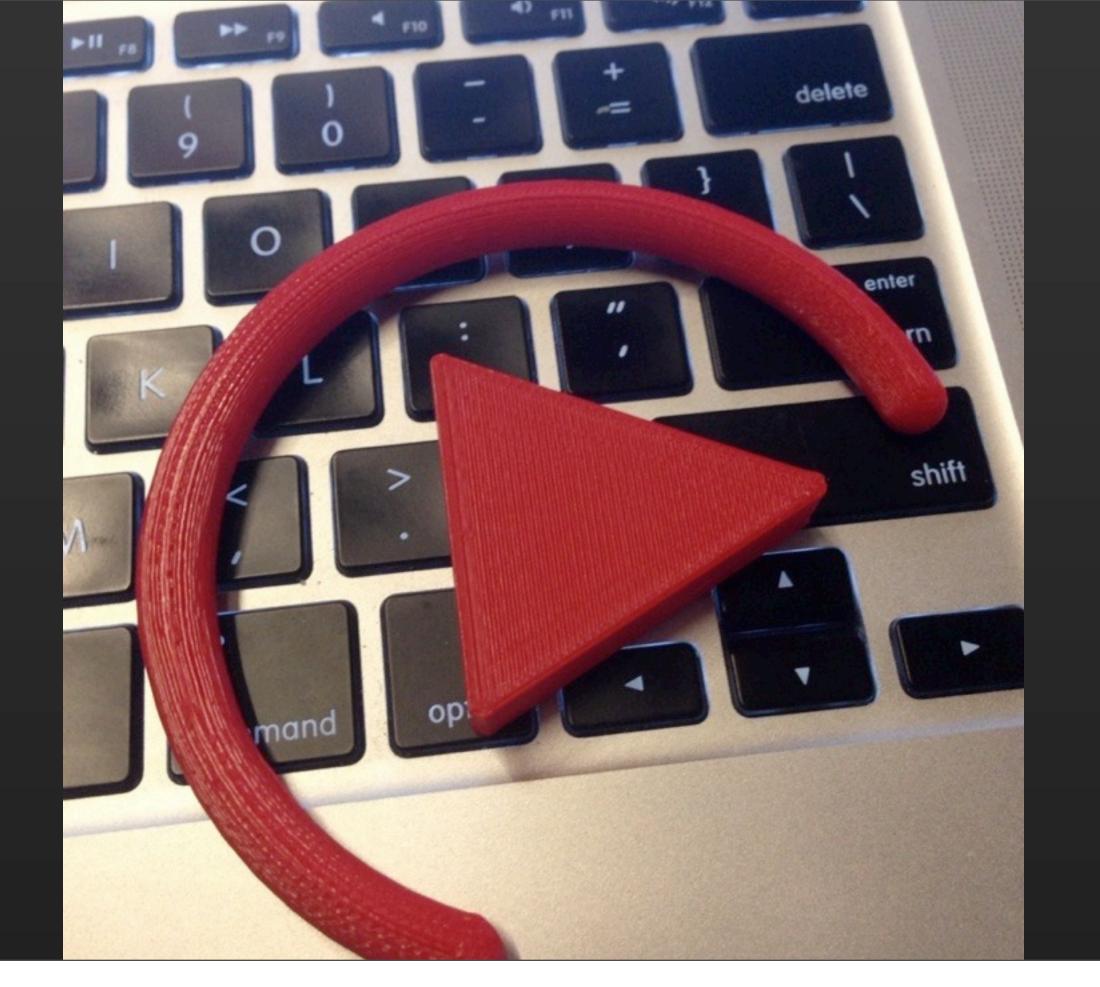
"But we don't have a 3D printer. So we should get one. That's everything."

-Mike Skalnik

2 weeks later a printer showed up

"This is great! I can print real things!"

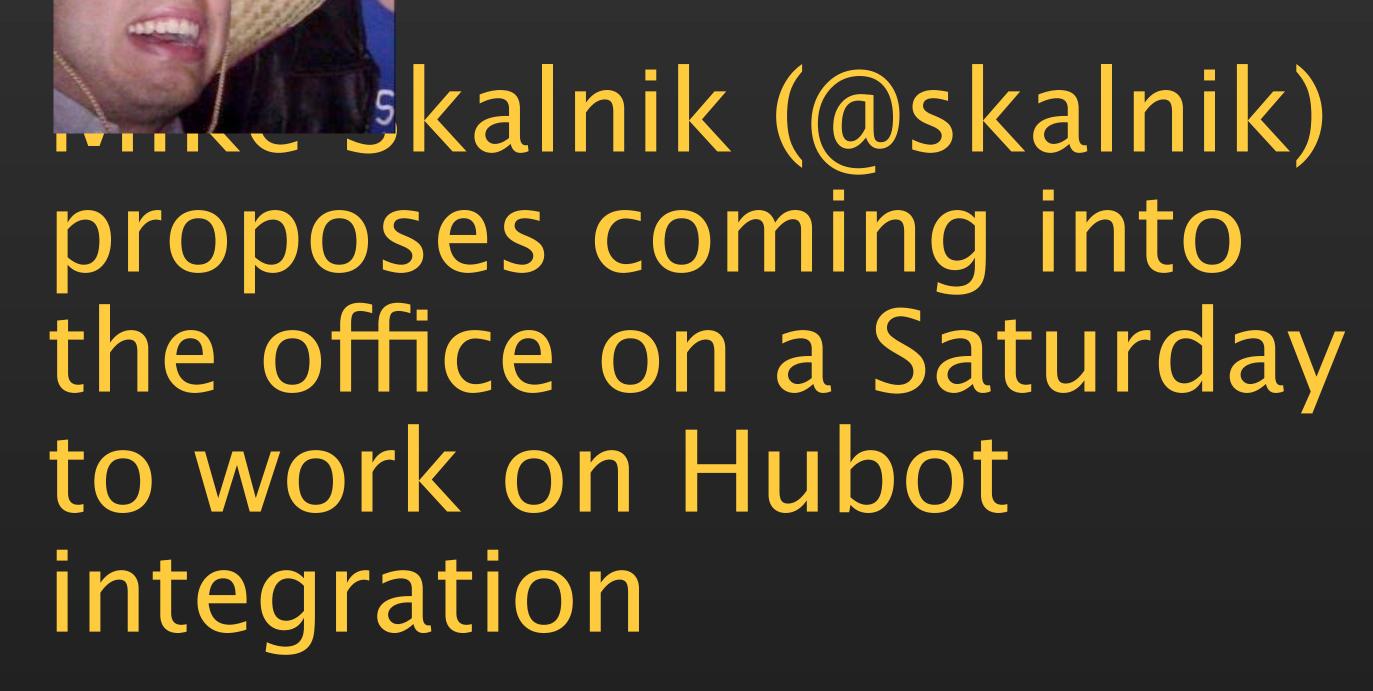






tirsdag den 1. oktober 13

Things slow down when you have over 180 employees trying to print something





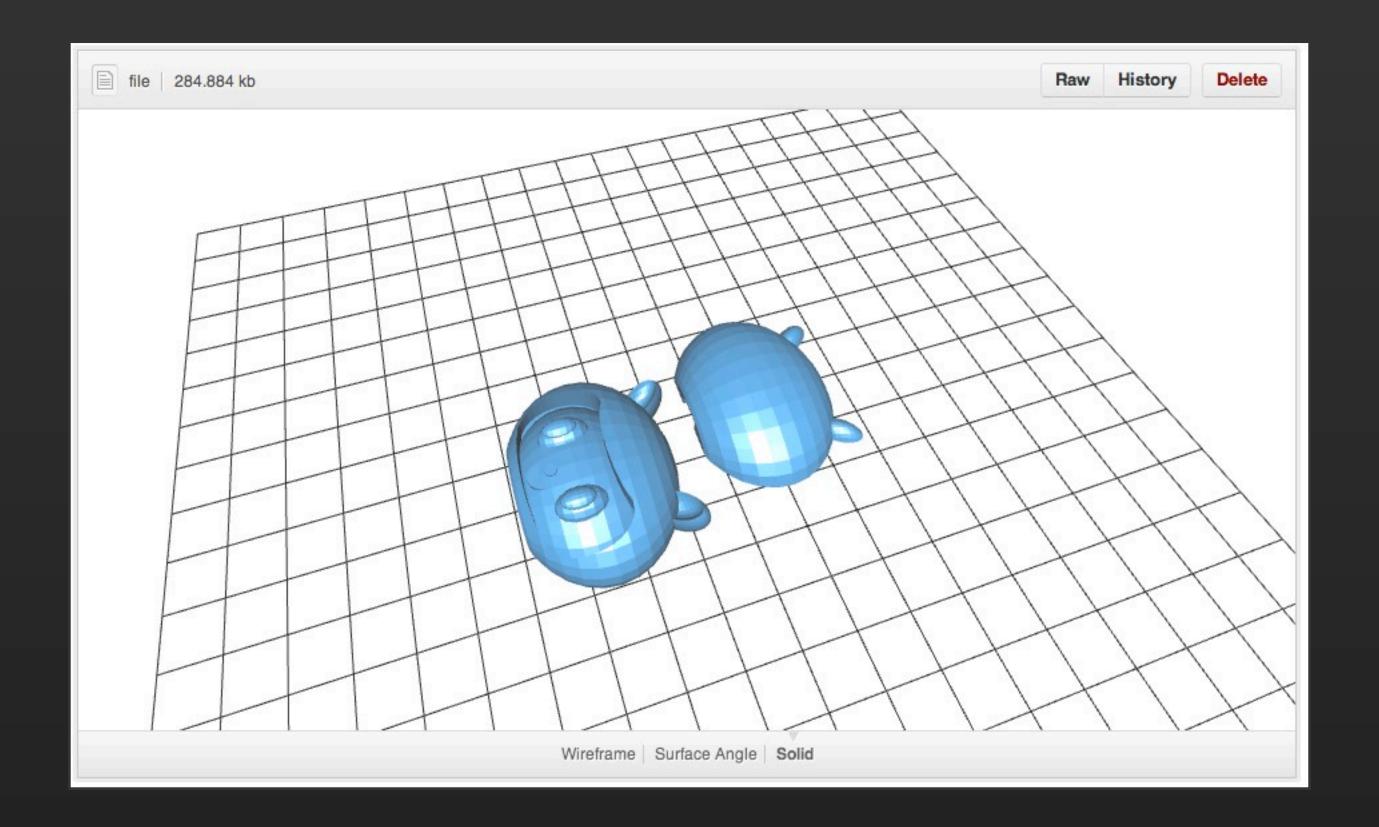
Slava Shirokov (@sshirokov) also came into the office to help

Hubot integration done, camera set up to view it, amazing

What if we could collaborate on these models before we finalize them?

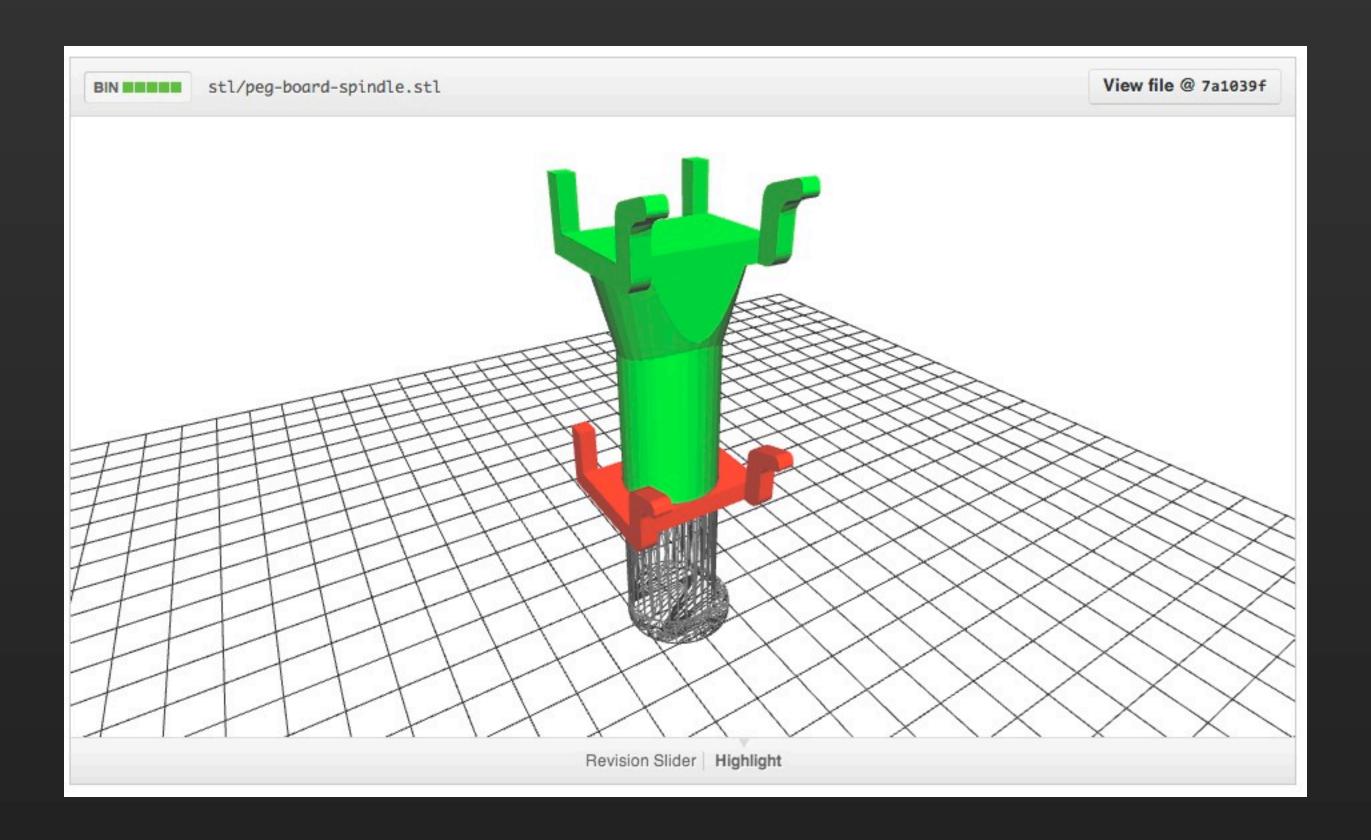
What platform would be good to collaborate on?

Render



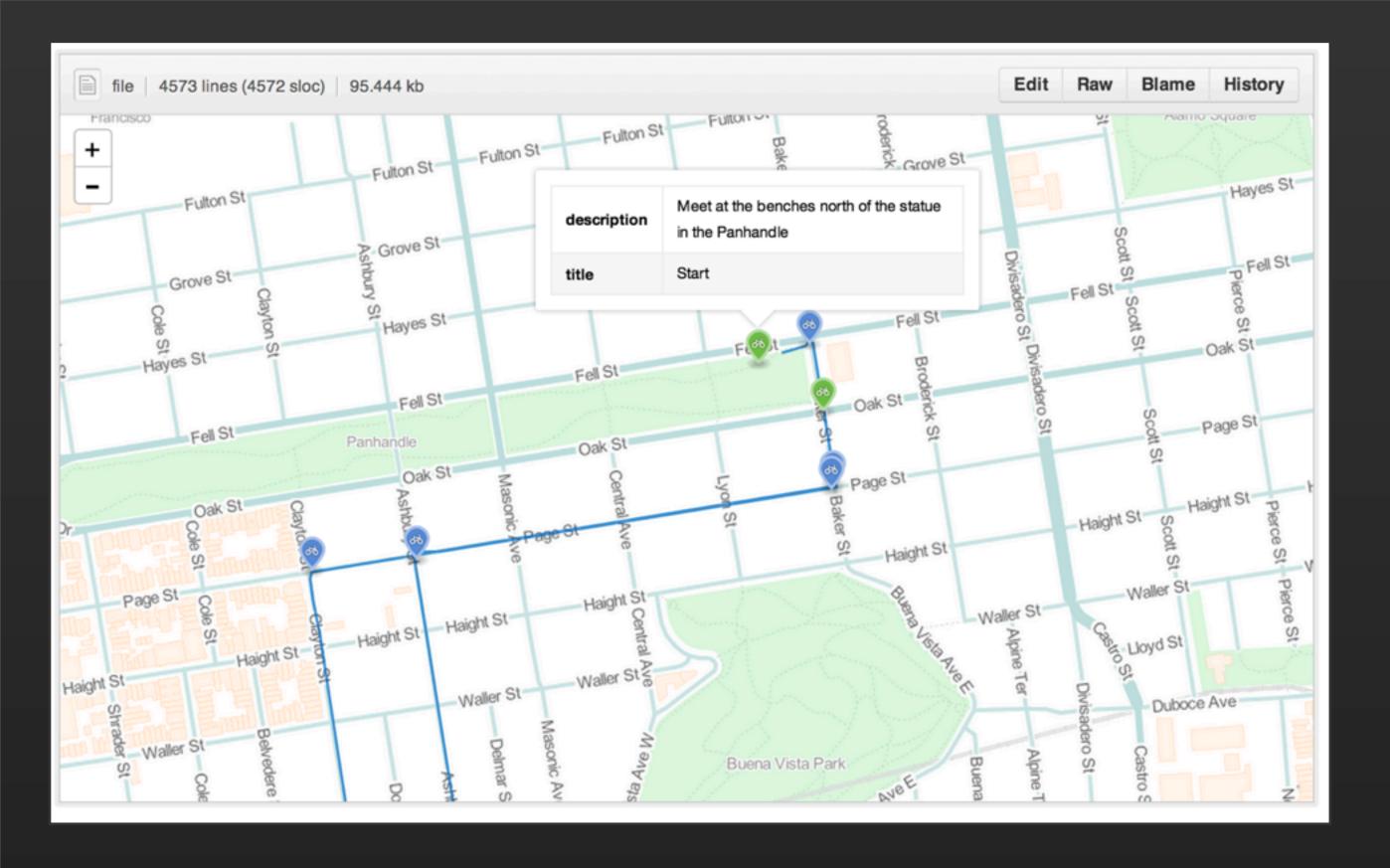
A few people had an interest in 3d models; it turned into rendering on GitHub for everyone

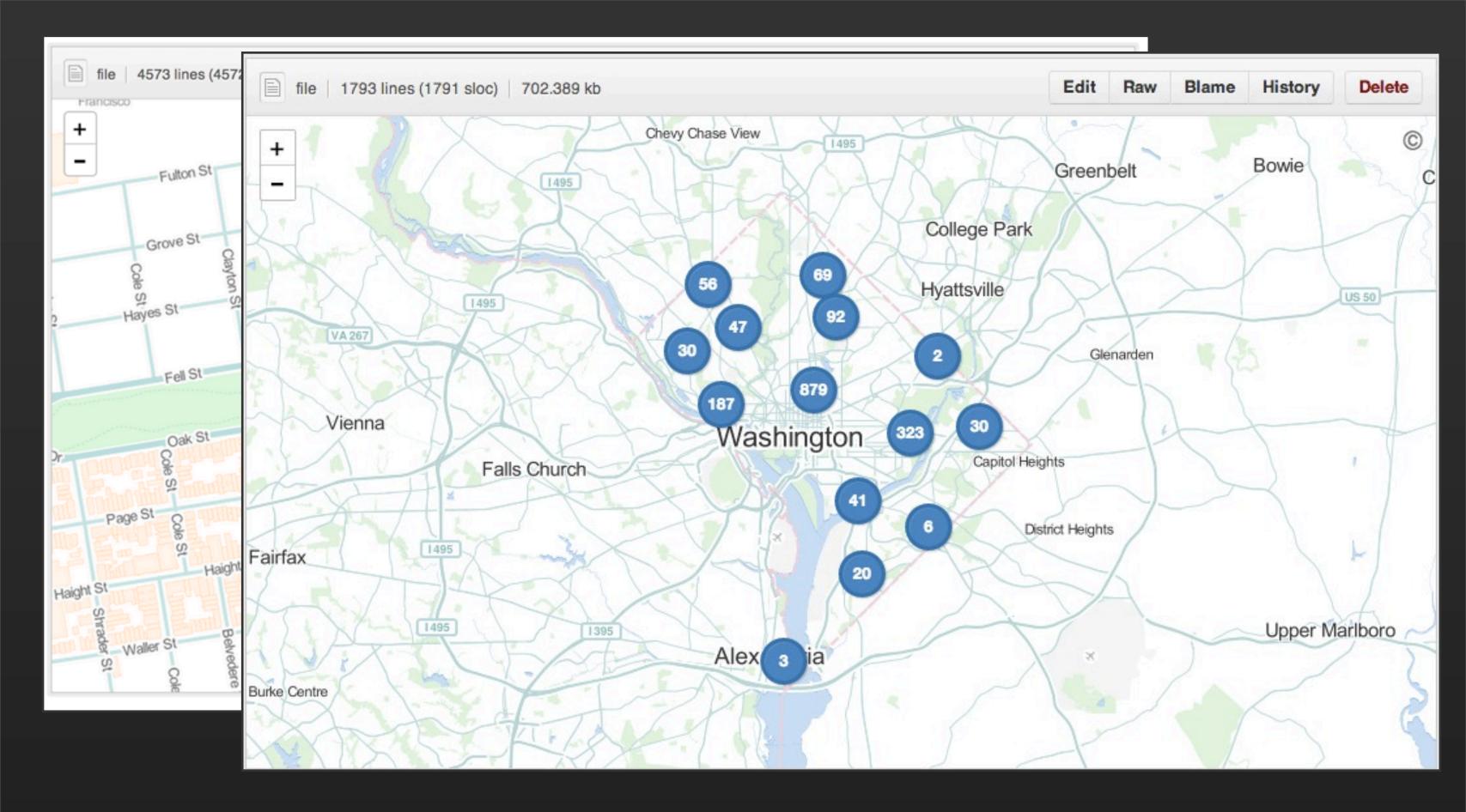


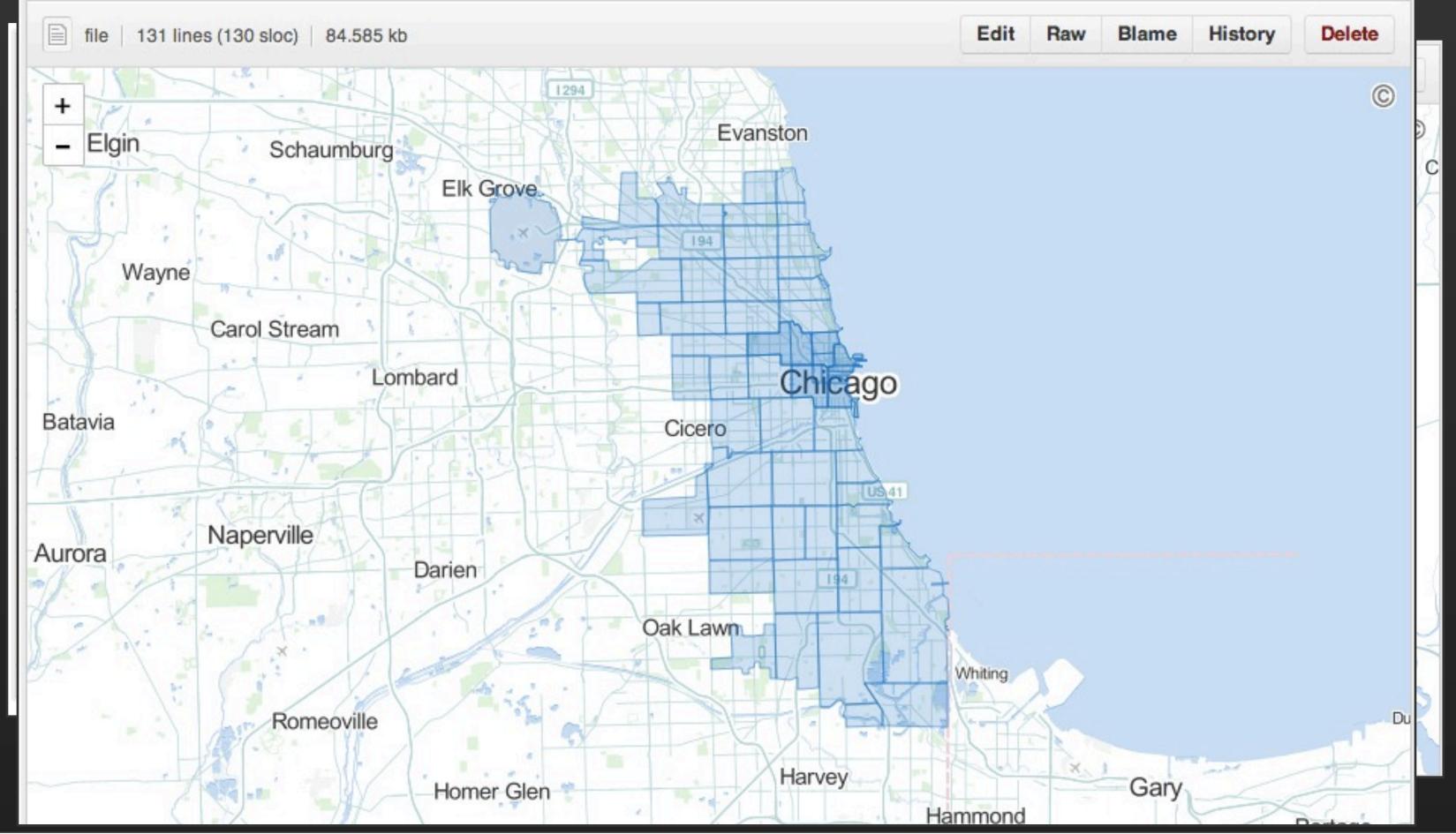


da Balter (@benbalter). "Let's work with MapBox to show map data on github.com"

Showing maps in repositories







Good wifi locations

Good wifi locations

Political districts

Political districts

Good wifi locations

Fire hydrants

Small hack projects can turn into amazing new features

Let your employees work on things that interest them. They'll pour so much passion into it.

Lesson

Re a problem within an app you use, start to fix it slowly. Then iterate often and turn it into a full



We love building things ourselves

You don't always have the luxury of time to do this

You don't always have the luxury of time to do this

It may end up cheaper to use an existing product

As you grow, this may start to not be true

You'll notice pain in using it.

And you'll deal with it

But then you can't deal with it

We started making really small changes. Just to increase some efficiency.

Efficiency went up for a while, then our user base grew faster and we had more issues



Well, they have an API. Why don't we use that?

Still using them as a database and application server

Still have some problems

Maybe we could ask the company for more help

Maybe we could ask the company for more help

Eventually we would want customization

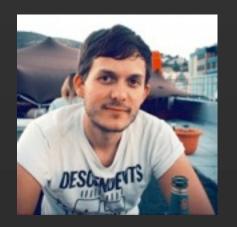
We realized we should just hire more people for this

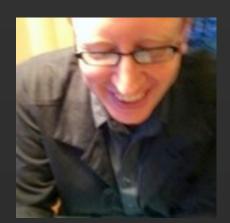












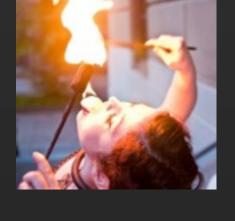








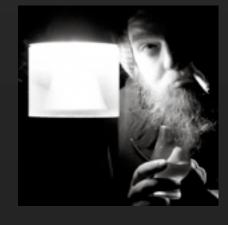










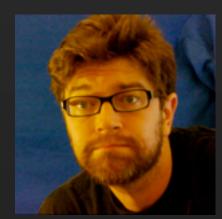












Support





















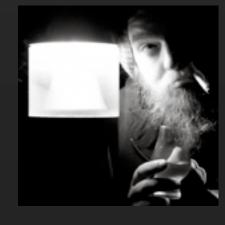






















Developers













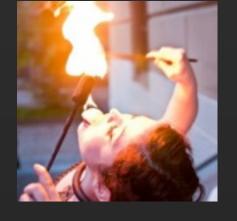






























It may take a few iterations, but you can have your cake and eat it too

Build for need as it arrises instead of just putting all your eggs in one basket from the start

How does GitHub Build Products?

Find people who share your interest or are already helping you

Allow people to explore new horizons and find new interest. It'll pay off for you in the end one way or another

Start small, iterate fast, and keep doing the smallest thing possible to ship something that Works

Building

brent@git hub.com

Brent
Beer

@brntb
eer

References

```
Slides - http://bit.ly/GH-products-aar13
      Who we hire - http://ozmm.org/posts/
                 who we hire.html
Open Source Almost Everything -http://tom.preston-
      werner.com/2011/11/22/open-source-
      everything.html
How to Open Source a Project – https://
          gist.github.com/atmos/6631554
```