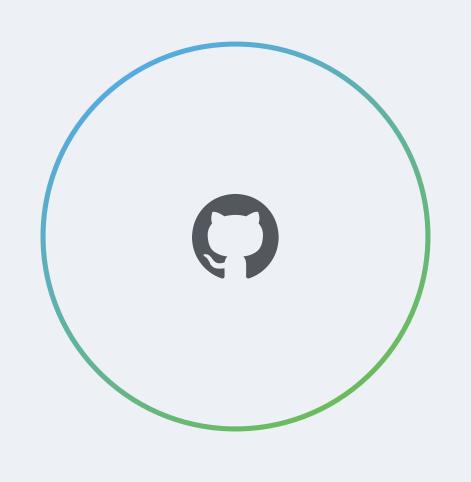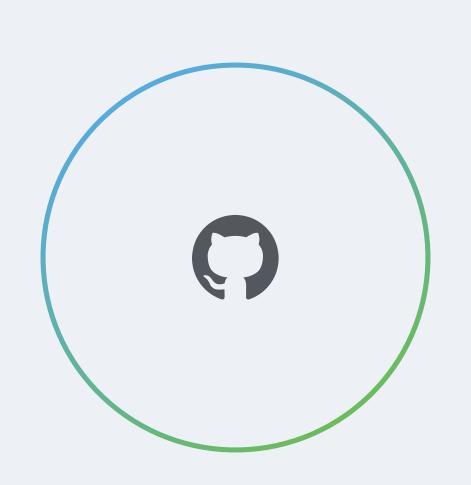# GitHub

Government Proficiency without the computer science degree

Jamie Jones

- Federal Solutions & Implementation Specialist
- Version Control Enthusiast
- Pull Request all the things

 jbjonesjr

 jbjonesjr

Agenda

- What is it
- How do you use it
- Best Practices
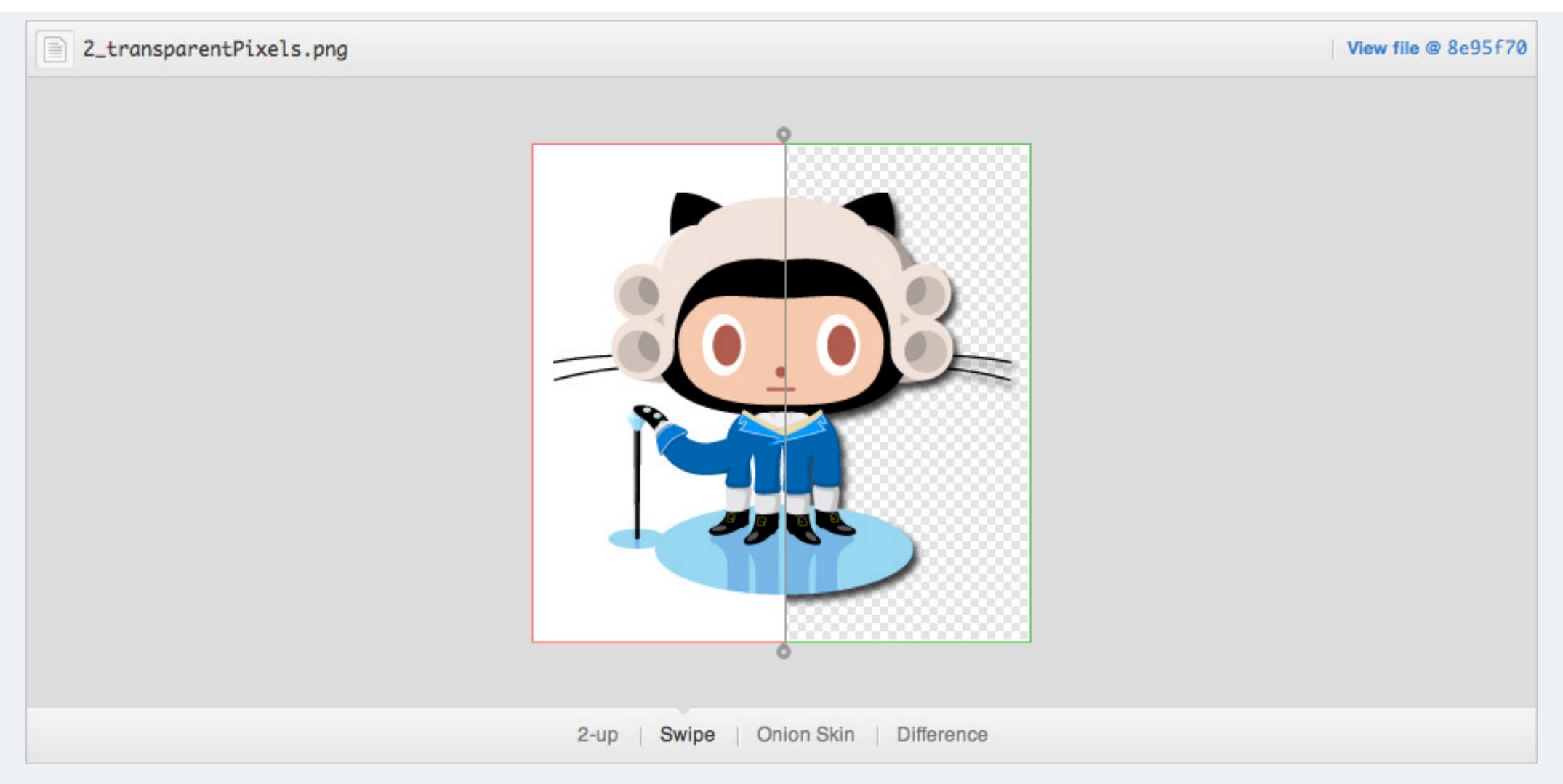- How to manage a community

GitHub: What is it

- **GitHub**
  - Version Control, Issue & Feature Tracking, File Rendering and Wiki
  - Collaboration between users and teams
  - Static website hosting and publishing via GitHub Pages
- **GitHub.com : Only version control and collaboration platform. Like Microsoft Word track changes, but for everything.**
  - 16 million users, ~50th most trafficked website in the world
  - 38 million projects hosted, the home of Open Source software
  - Public Repositories are free, private repositories cost $9/user/month
- **GitHub Enterprise: Like GitHub.com, but running on your network (or cloud), using your Enterprise tools**
  - Over 100 Federal instances today
  - Supports Single-Sign on, Auditing, Other Security Requirements
  - Checks all those Government checkboxes

Image Rendering

2_transparentPixels.png

View file @ 8e95f70

2-up | **Swipe** | Onion Skin | Difference

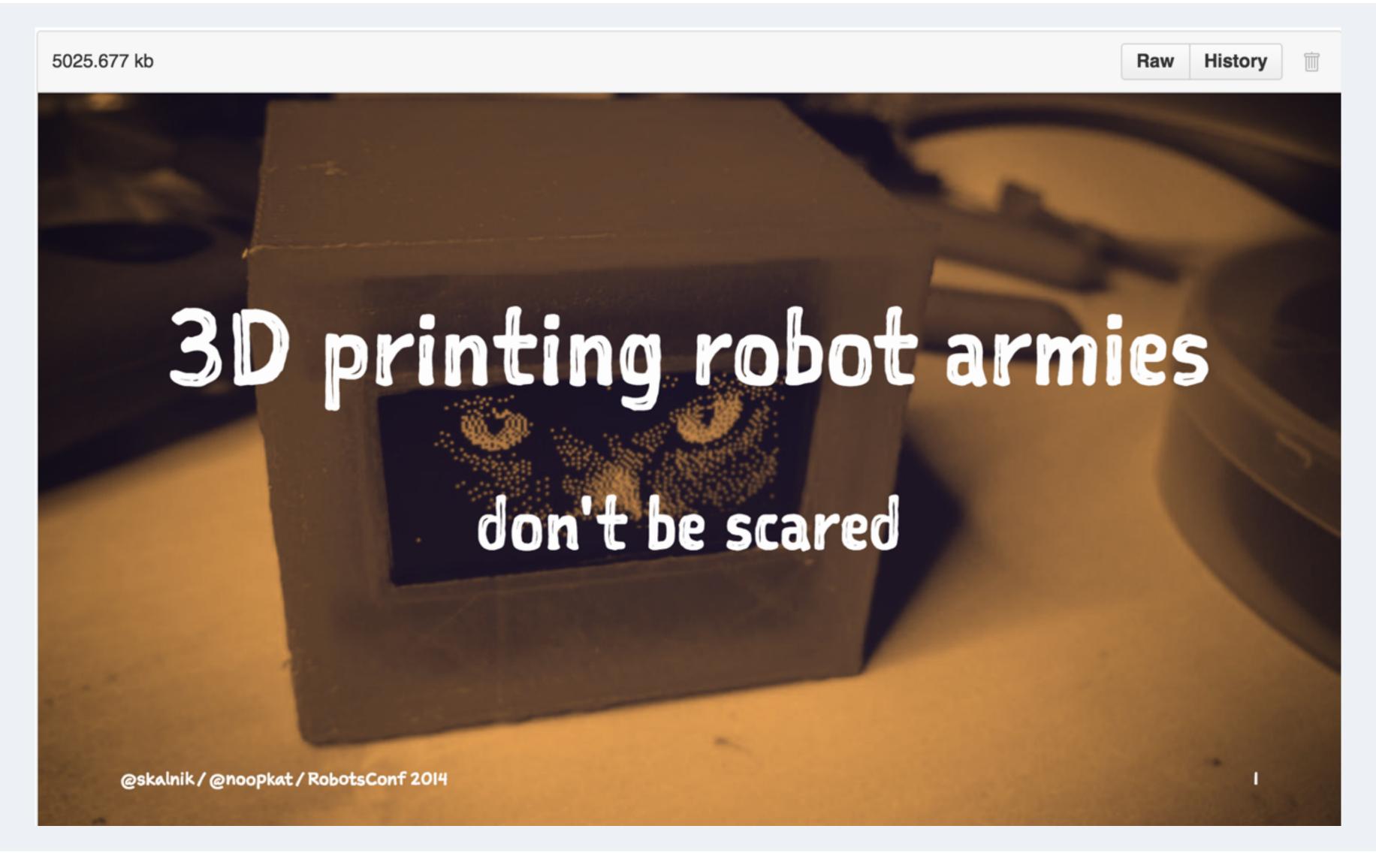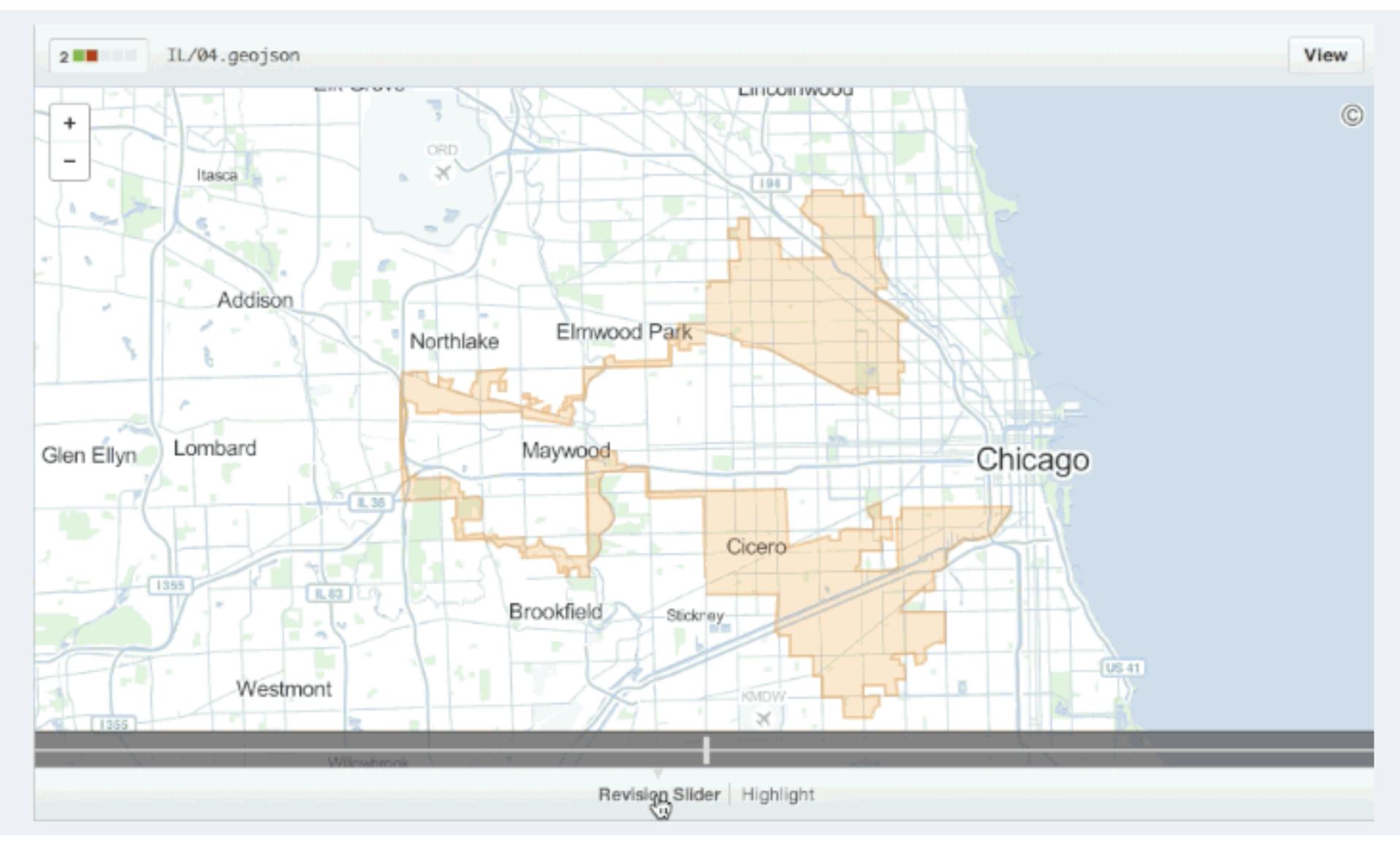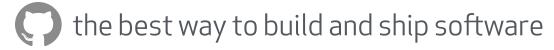**PNG, JPEG, SVG, Photoshop supported**

<u>examples</u>

PDF Rendering

Map Rendering
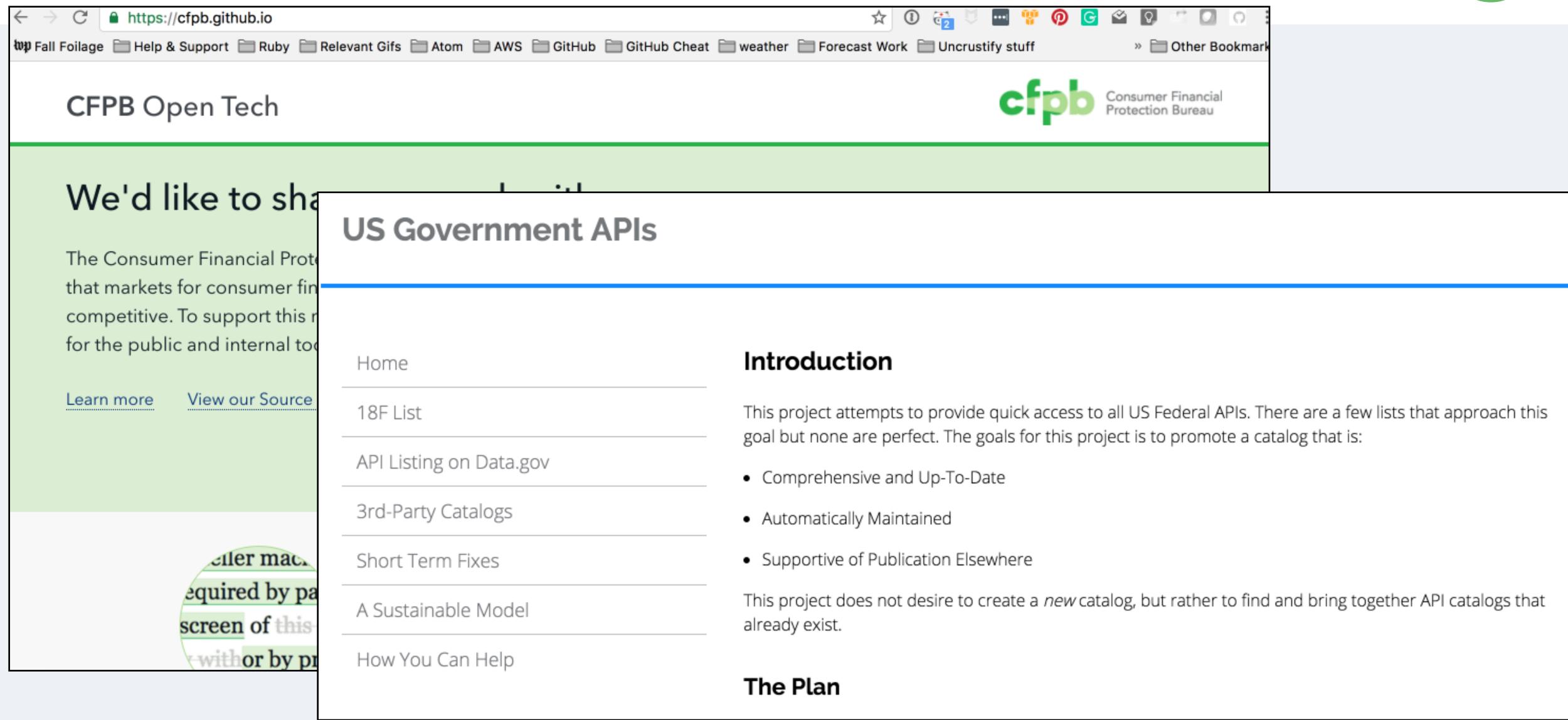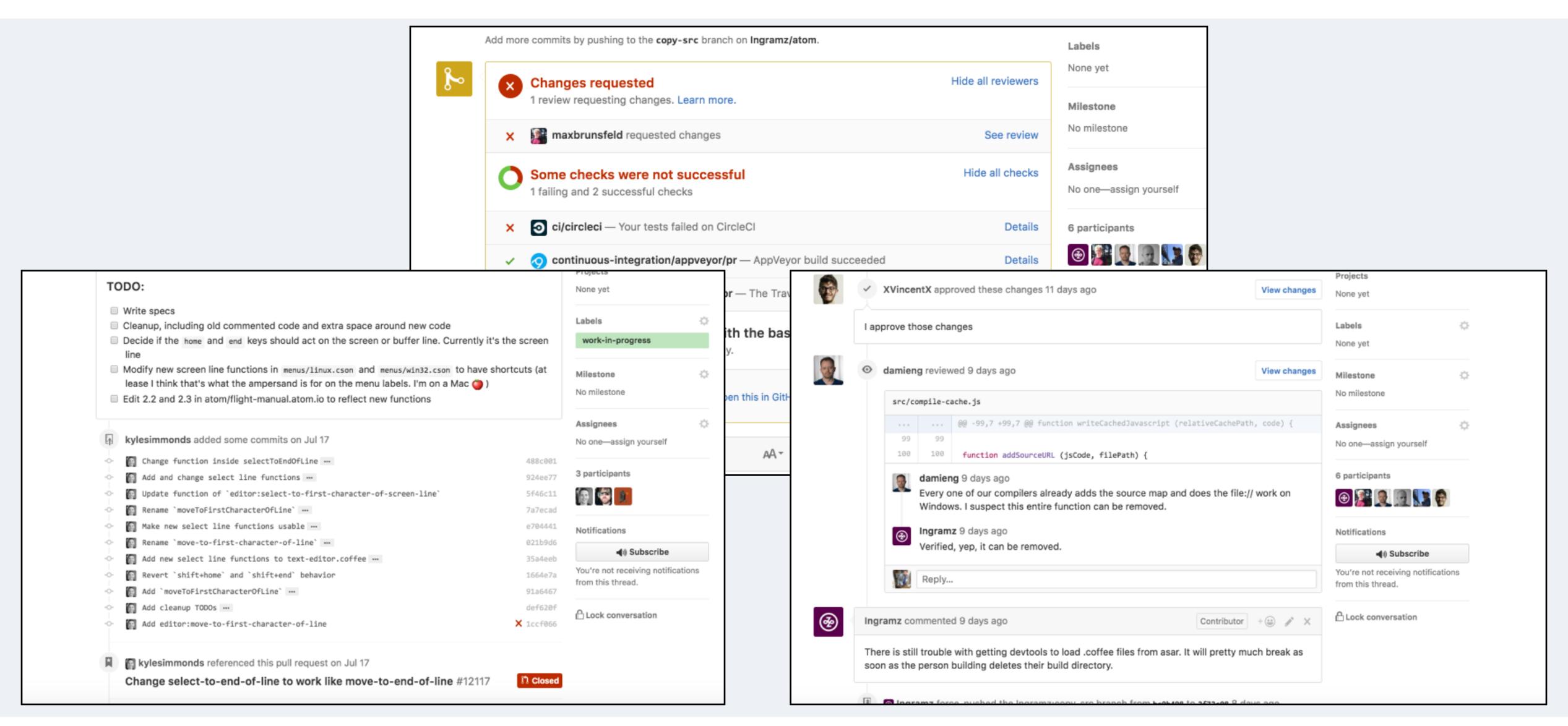
GitHub Pages

Pull Requests
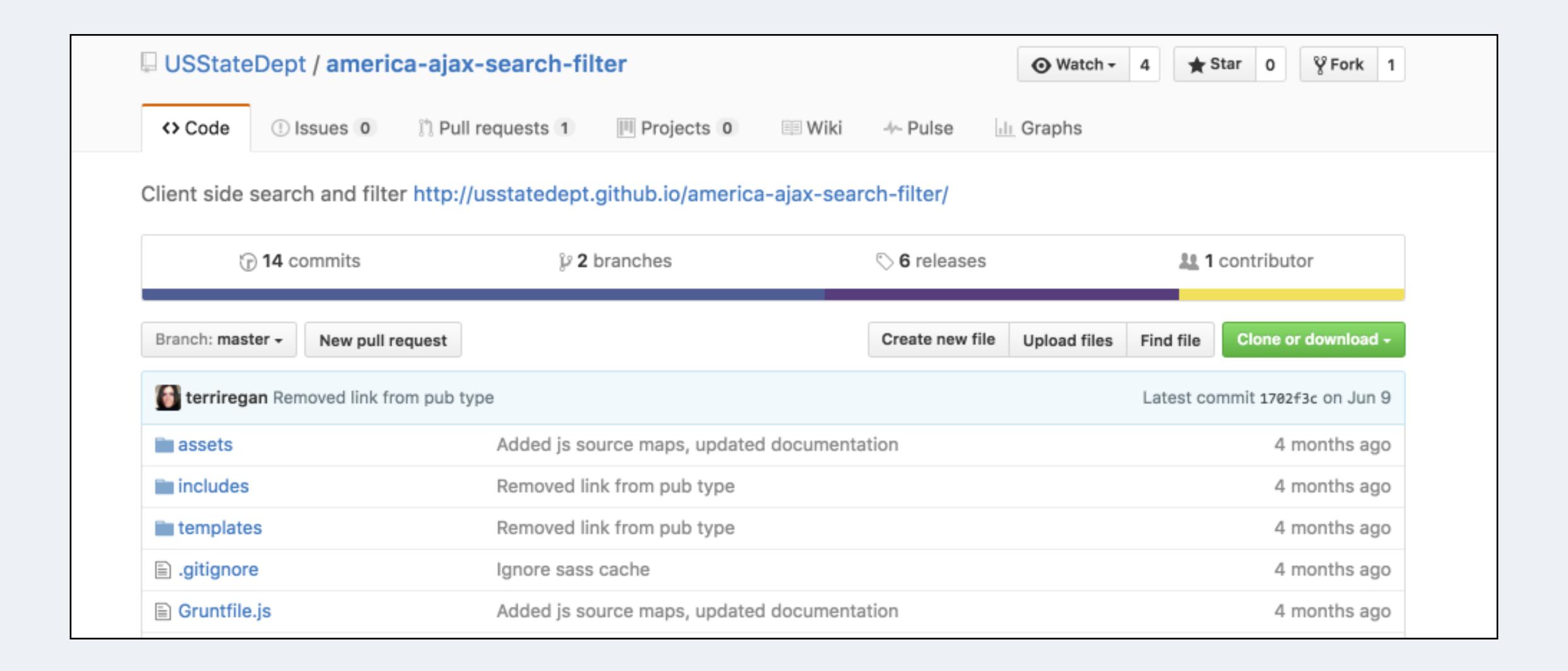
GitHub: How do you use it

- **Contributing to Open Source software projects (not just via code, but whatever your expertise is)**
- **Working on internal projects**
- **Policy development**
- **Open Commenting periods**
- **Documentation, StyleGuides**
- **Citizen Services**

General development

USStateDept / **america-ajax-search-filter**

⊙ Watch ▾ 4   ★ Star 0   ⑂ Fork 1

<> Code   ⓘ Issues 0   ⑂ Pull requests 1   ▥ Projects 0   ▦ Wiki   ⌁ Pulse   �ⅲ Graphs

Client side search and filter http://usstatedept.github.io/america-ajax-search-filter/

🕖 **14** commits   ⑂ **2** branches   🏷 **6** releases   👥 **1** contributor

Branch: **master** ▾   New pull request   Create new file   Upload files   Find file   **Clone or download** ▾

👤 **terriregan** Removed link from pub type   Latest commit 1702f3c on Jun 9

📁 assets	Added js source maps, updated documentation	4 months ago
📁 includes	Removed link from pub type	4 months ago
📁 templates	Removed link from pub type	4 months ago
📄 .gitignore	Ignore sass cache	4 months ago
📄 Gruntfile.js	Added js source maps, updated documentation	4 months ago

Policy Documentation

usnistgov / **800-63-3**

Watch 99 | Star 298 | Fork 36

<> Code | Issues 28 | Pull requests 3 | Projects 1 | Pulse | Graphs

Home to public development of draft Special Publication 800-63-3: Digital Authentication Guidelines

438 commits | 3 branches | 0 releases | 13 contributors

Branch: nist-pages | New pull request | Create new file | Upload files | Find file | Clone or download

jimfenton committed on GitHub Merge pull request #402 from pgrassi-nist/ial2-biometrics ... Latest commit 16efa37 2 hours ago

.github	Update ISSUE_TEMPLATE.md	9 days ago
_includes	Adding graphics in -B Sec 5	2 months ago
_layouts	First Publishing	5 months ago
assets	Better graphics	2 months ago
sp800-63-3	Risk based language for agencies	8 hours ago
sp800-63a	Fixed formatting of privacy section.	7 hours ago
sp800-63b	Update definitions for asymmetric keys and digital signature. Resolves ...	13 hours ago

Public Commenting

StyleGuides

Citizen Services
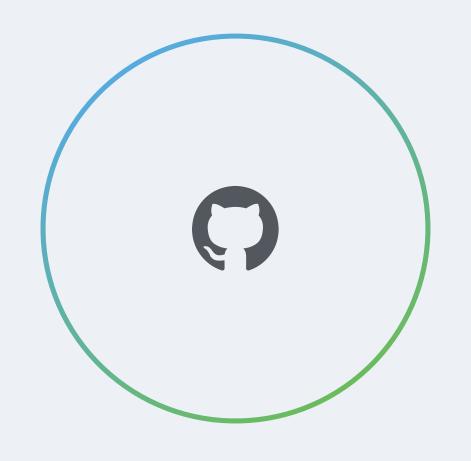
Best Practices

- Naming
- Description
- Consistent Naming Scheme
- Using Teams. Using homepages for teams

Naming & Descriptions matters

federalregister-web

Federal Register 2.0 Web Display

Updated on Jul 26

federalregister-api-core
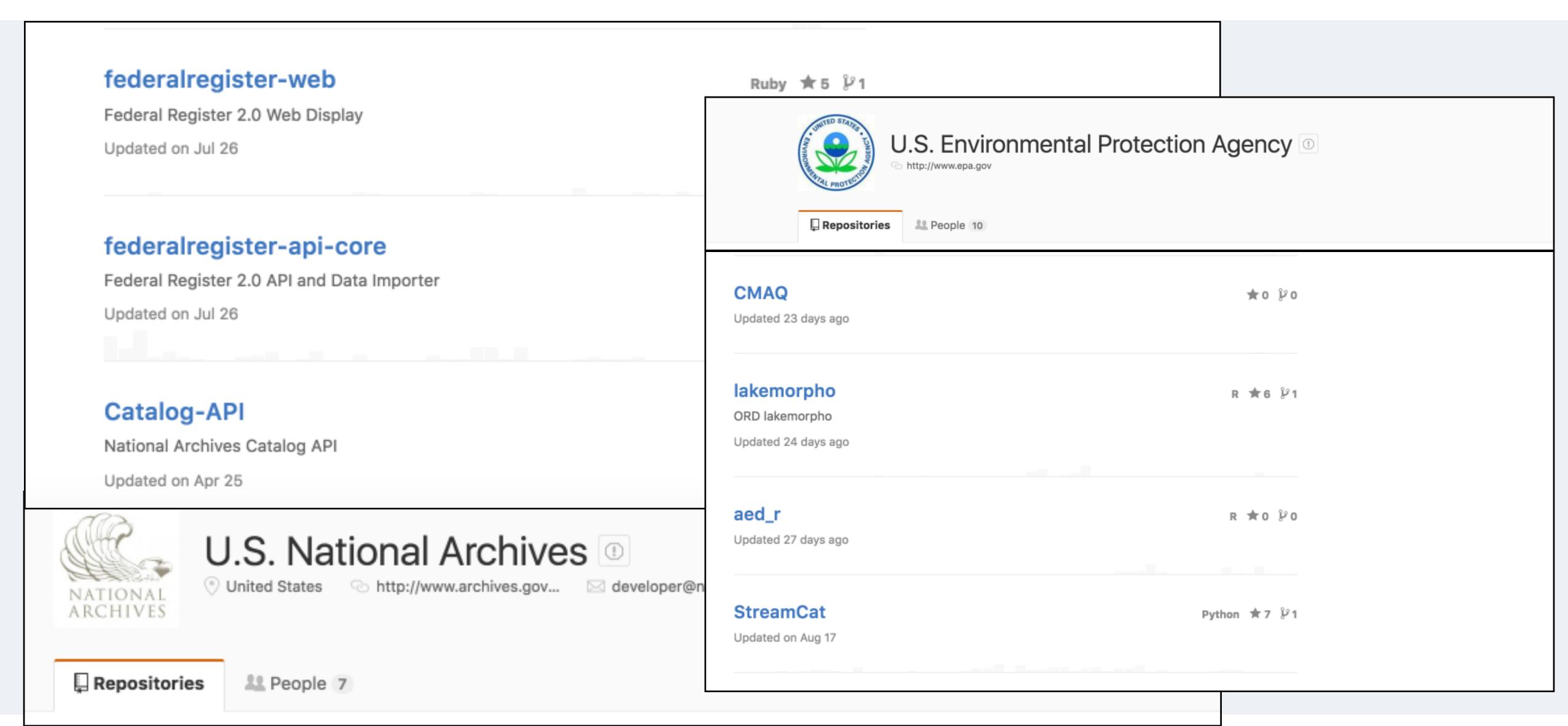
Federal Register 2.0 API and Data Importer

Updated on Jul 26

Catalog-API

National Archives Catalog API

Updated on Apr 25

Ruby ★ 5 ⑂ 1

U.S. Environmental Protection Agency ⓘ
http://www.epa.gov

📖 Repositories   👥 People 10

CMAQ   ★ 0 ⑂ 0
Updated 23 days ago

lakemorpho   R ★ 6 ⑂ 1
ORD lakemorpho
Updated 24 days ago

aed_r   R ★ 0 ⑂ 0
Updated 27 days ago

StreamCat   Python ★ 7 ⑂ 1
Updated on Aug 17

U.S. National Archives ⓘ
📍 United States   🔗 http://www.archives.gov...   ✉ developer@n

📖 **Repositories**   👥 People 7

Use Teams in your Org

Teams can have homes too

📖 README.md

Platform

This is a project coordination repo for the Platform high-level engineering team.

Contact us through **@github/platform-support**.

What we do

We provide a platform for application developers to build workflows for GitHub end users and integrators.

Who we are

Data

Architecting how we persist data.

Design

Arranging our pixels for human consumption.

Developer Experience

Managing a community

- **Document your process, transparency**
  - README.md, CONTRIBUTING.md, LICENSE.md, etc
- **Make barrier to entry minimal**
  - Issue & Pull Request Templates
- **Be Involved**
  - Commenting in Issues, Providing Code Reviews, Setting direction
- **Governance**
  - Who can commit/merge
- **Integrations can help maintain the project for you**
  - CLA-BOT
  - Test Runners
  - Static Code Analysis

What next?

JBJONESJR@GITHUB.COM

- https://www.github.com/jbjonesjr/github-in-government
- Slides are posted already, feel free to use issues for questions
- Will try and continually update this repository with links and new informatio

HTTPS://GOVERNMENT.GITHUB.COM

- Government peer group shares best practices around (any) technology
- Great place to ask questions and source information