

Extremely Important:
Code backup & version control
using **github.gatech.edu**

OneDrive

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Why back up your code?

- **Computer dies**, and sometimes **at the most inconvenient times** (e.g., right before deadline)
- Finding another computer quickly is easy, **recreating lost work and data is not.**
- Polo highly recommends using github.gatech.edu (i.e., git repository)
- Git is probably the most popular version control system in software development.
<https://en.wikipedia.org/wiki/Git>

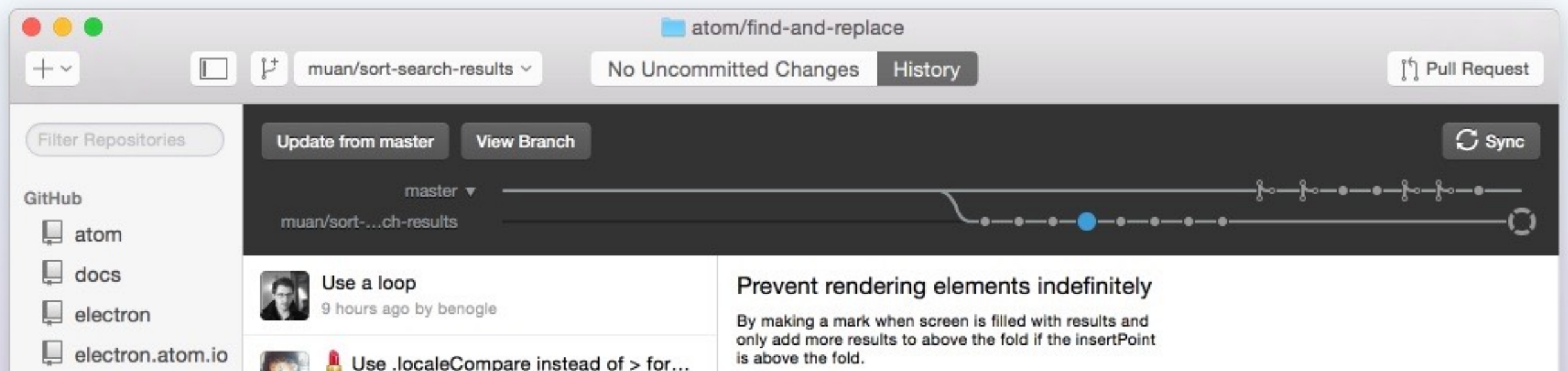
github.gatech.edu

1. **Backs up** code
2. Provides **version control**
 - so you can **revert to older versions** when needed
3. Supports code **branching** and **collaboration**
 - easy to collaboratively develop new features by integrating them into a "main" code base
4. Encourages you to write a **README file** (readme.md), shown on your repo's landing page

Github desktop client

Github provides easy-to-use **FREE** desktop clients for Mac and Windows (<https://desktop.github.com>)

- If you're new to Git/Github
- Or if you like GUI
- Or if you don't like typing commands



Nice documentation for your Github repository?

Use **Github Pages**

The screenshot shows the GitHub homepage with the 'Showcases' tab selected. The main heading is 'GitHub Pages examples' with a subtitle 'Fine examples of projects using GitHub Pages.' Below this, it lists '13 repositories', '4 languages', and 'Last updated on Jul 3, 2015'. A filter bar shows 'Stars' selected and 'Language' as an option. A search bar for 'Search showcases' is on the right. The first showcase is 'twbs / bootstrap', described as 'The most popular HTML, CSS, and JavaScript framework for developing responsive, mobile first projects on the web.' It has 105,913 stars and 48,145 forks. The second showcase is 'facebook / react', described as 'A declarative, efficient, and flexible JavaScript library for building user interfaces.' It has 57,991 stars and 10,522 forks. On the right, there are two more showcase cards: 'Open source organizations' and 'Government apps'.

Personal Open source Business Explore Pricing Blog Support Search GitHub Your dashboard

Explore GitHub Showcases Integrations Trending

GitHub Pages examples

Fine examples of projects using [GitHub Pages](#).

13 repositories <> 4 languages ⌚ Last updated on Jul 3, 2015

Stars Language Search showcases

B twbs / bootstrap

The most popular HTML, CSS, and JavaScript framework for developing responsive, mobile first projects on the web.

JavaScript ★ 105,913 🍴 48,145 Updated 5 hours ago

f facebook / react

A declarative, efficient, and flexible JavaScript library for building user interfaces.

JavaScript ★ 57,991 🍴 10,522 Updated 3 hours ago

Related showcases

Open source organizations

A showcase of organizations showcasing their open source projects.

Government apps

Sites, apps, and tools built by governments across the world to make gov...

<https://github.com/showcases/github-pages-examples>

WARNING

Set your repo to *private*,
**unless you're sure you
want it to be public.**

Why??



Security

Dev put AWS keys on Github. Then BAD THINGS happened

Fertile fields for Bitcoin yields - with a nasty financial sting

6 Jan 2015 at 13:02, [Darren Pauli](#)



Bots are crawling all over GitHub seeking secret keys, a developer served with a \$2,375 Bitcoin mining bill found.

DevFactor founder Andrew Hoffman said he used [Figaro](#) to secure Rails apps which published his Amazon S3 keys to his GitHub account.

He noticed the blunder and pulled the keys within five minutes, but that was enough for a bot to pounce and spin up instances for Bitcoin mining.

"When I woke up the next morning, I had four emails and a missed phone call from Amazon AWS - something about 140 servers running on my AWS account," Hoffman [said](#).

"I only had S3 keys on my GitHub and they were gone within five minutes!"

More like this

[Amazon](#)[Theft](#)[Github](#)

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<https://ai.oit.gatech.edu/onedrive>