

<http://poloclub.gatech.edu/cse6242>

CSE6242 / CX4242: **Data** & **Visual** Analytics

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

Duen Horng (Polo) Chau

Assistant Professor

Associate Director, MS Analytics

Georgia Tech

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>

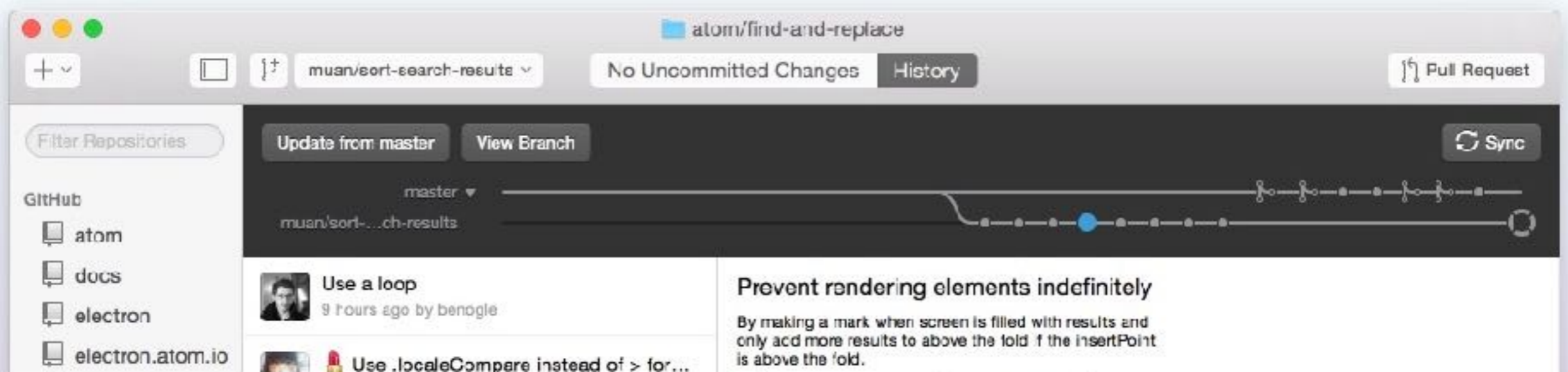
github.gatech.edu

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**

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

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B twbs / bootstrap
The most popular HTML, CSS, and JavaScript framework for developing responsive, mobile first projects on the web.
JavaScript 105,913 stars 48,145 forks Updated 5 hours ago

f facebook / react
A declarative, efficient, and flexible JavaScript library for building user interfaces.
JavaScript 57,991 stars 10,522 forks Updated 3 hours ago

Related showcases

- Open source organizations
A showcase of organizations showcasing their open source projects.
- Government apps
A showcase of government applications 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!"

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BUSINESS. WE
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– Public/private/hybrid
for best fit

– 1 billion+ hours oper