Open-Source

...

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Newsflash

- Waymo teams up with Jaguar to intro a new, premium self-driving car ([link](#))
- Facebook data misuse scandal affects "substantially" more than 50M ([link](#))
- Google Could Owe Oracle $8.8 Billion in Android Fight ([link](#))
- Nvidia announces DGX-2 system with 16 GPUs ([link](#))

What is it tho

"The term "open source" refers to something people can modify and share because its design is publicly accessible."

(from opensource.com)

What is it tho

A community of people who design and build things together.

- Software
- Data-sets
- Design
- Blueprints
- Recipes
- Rules
- Standards
- … and more

Where did it come from tho

- All information was shared in early days until commercialization hit in the 70's.
- Only academics continued (like research for TeX and GNU) until Netscape started trend to release free software.
  - Ambiguity between free software and open-source.
- Open Source Initiative founded in 1998 after realization of business potential.

Where is it tho

everywhere

Where is it tho

- Tufts and other schools
- Small start-ups
- Massive megacorporations
- Not-for-profit companies
- Research (public and private)
- Government
- Personal work
- ~ other software ~

Do you have any examples tho

- Git
- Linux
- Ubuntu
- GCC
- Clang
- Python
- Ruby
- Java
- Eclipse
- Android
- OpenEphys
- 3D printing world
- Chromium

- Firefox
- LibreOffice
- VirtualBox
- Sakai (Trunk)
- LaTeX
- BSD
- (Open)SSH
- Atom
- Vim
- Emacs
- Blender
- MySQL
- PostgreSQL

But the LAW tho

- Licensing is hard... there are lots
- People prefer open licenses
- Different from Creative Commons
- Default is copyrighted

Why is it the backbone of our industry tho

- Key driver for democratization
- Hard to have personal experience with $3000 software
- Collaboration and diversity of thought are super important in creativity and development
- Nice to be a part of something greater that's not super corporate and gross

Why do I want to get involved tho

- Good for resume
- Good experience — learn to work in large projects with teams of people who aren't friends
- Do some good / help people out

How do I get involved tho

- So many OSS projects at Tufts
- GitHub Explore
- Hacker News / lobste.rs / proggit
- Work on it at work (if relevant)
- Start your own

Discuss tho