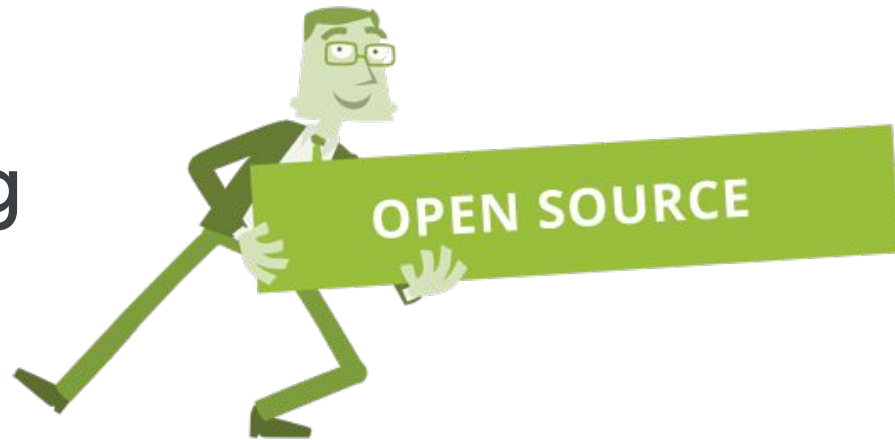


Choosing Open Source Software & Contributing Back

April 25th, 2021 10:00-11:20 AM PST

Dave Nielsen



Chapter 3 | Session 08

Agenda Overview

10:00–11:20 am

Time	Topic
10:00–10:05 am	Kick-off
10:05–10:10 am	Introduction
10:10–10:40 am	Presentation
10:40–10:45 am	Break
10:45–11:15 am	Q&A Discussion
11:15–11:20 am	Wrap up



Hosted by:

Nurlana Mollayeva, Community Manager @ GOUP



GoUp Community driven Open source accelerator!

- Building next generation community: egoless, collaborative, competent, decentralized, scalable, fun community culture.
- Structure and index the data flow within community.



We want to know you, if you fit!



<https://goupaz.slack.com>



<https://www.linkedin.com/company/goupaz>



<https://github.com/goupaz>



<https://youtube.com/goupaz>



<https://www.meetup.com/goupaz>

Sponsors



<https://www.allmytaxes.com>

To reach for community event sponsorship contact us over Slack: slack.goupaz.com

Code of Conduct

Build with love, push with sugar, pull with caution

1. Language is **English**
2. We are here to **collaborate**: learn, benefit and contribute
3. We are here **equal**: despite our roles, accomplishments
4. **NO** marketing, selling, competing



Photo Shoot Time

Please turn on your camera :D

Choosing Open Source Software & Contributing Back



Let the adventure begin!

Agenda

Choosing Open Source Software & Contributing Back

- Overview of Licenses
- Choosing a Project
- Contributing to a Project

Benefits of Making Open Source Software

Good Vibes

- Great community
- Collaboration & Leadership skills
- Change the world

More popular software

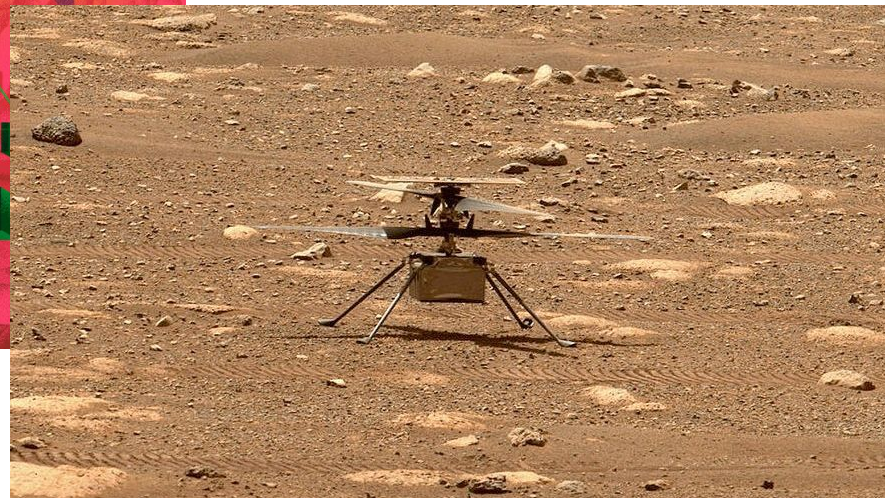
- Four freedoms - Eliminate FUD (fear, uncertainty, doubt)
- Many large corporations require Open Source Licenses
 - Some even have an Open Source Programs Office

Financial

- Skills are valuable to employers
- Free cloud services offered

Change the world ... or other worlds!

Ingenuity, the Mars helicopter, made history when it flew through the planet's thin atmosphere. Did you know about **12,000** developers on [@github](#) also made history by contributing code to make that happen?



<https://github.blog/2021-04-19-open-source-goes-to-mars/>

What is free / open source software?

Open Source 'Authorities'

- Open Source Initiative - opensource.org (open)
- Free Software Foundation - fsf.org (free)



Four Freedoms - FSF/GNU

- The freedom to run the program as you wish, **for any purpose** (freedom 0)
- The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1)
- The freedom to redistribute copies so you can help others (freedom 2)
- The freedom to distribute copies of your modified versions to others (freedom 3). By doing this you can give the whole community a chance to benefit from your changes

Types of open source licenses

Permissive - Just include the license

- Apache License 2.0
- BSD 3-Clause "New" or "Revised" license
- BSD 2-Clause "Simplified" or "FreeBSD" license
- MIT License
- Mozilla Public License 2.0
- Common Development and Distribution License
- Eclipse Public License version 2.0

Copyleft - Must make changes available for creator to use

- GNU GPL - General Public License
- GNU AGPL - Affero General Public License

Non-open source licenses

Source Available Licenses

- **SPSS** - Server Side Public License - MongoDB
- **RSAL** - Redis Source Available License - Redis Labs (Redis Modules)
- **Confluent Community License** - Confluent, creators of Kafka
- **BSL** - Business Source License - Creators of CockroachDB
- **Polyform** - a project to make freely available plain-language source code licenses with limited rights

No license specified on Github

Creators: When you make a creative work (which includes code)

- Your work is under exclusive copyright by default. Unless you include a license that specifies otherwise, nobody else can copy, distribute, or modify your work without being at risk of take-downs, shake-downs, or litigation.
- Once the work has other contributors (each a copyright holder), “nobody” starts including you.

Creators should:














- Add a copyright notice and statement in your README file.
- Perhaps add a contributor license agreement (lawyer required?) so you maintain copyright permission from contributors, even if you’re not granting the same.

Users: No license selected - on Github

- Ask the maintainers nicely to add a license
- Don’t use the software
- Negotiate a private license

Shout out to Creative Commons

License Compatibility Chart

	 PUBLIC DOMAIN	 PUBLIC DOMAIN	 BY	 BY SA	 BY NC	 BY ND	 BY NC SA	 BY NC ND
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 BY	✓	✓	✓	✓	✓	✗	✓	✗
 BY SA	✓	✓	✓	✓	✗	✗	✗	✗
 BY NC	✓	✓	✓	✗	✓	✗	✓	✗
 BY ND	✗	✗	✗	✗	✗	✗	✗	✗
 BY NC SA	✓	✓	✓	✗	✓	✗	✓	✗
 BY NC ND	✗	✗	✗	✗	✗	✗	✗	✗

<https://creativecommons.org/share-your-work>

What is a good open source project?

"Any sufficiently advanced technology is equivalent to magic." - Sir Arthur C. Clarke

"Any sufficiently popular open source project is equivalent to a cult" - Dave Nielsen



Where to find open source software

Types of Open Source Software

- Desktop - sourceforge.net
 - Apps with GUI - (ex: top video editing software open source)
 - Server
 - Database
 - Components
- Web - github.com, gitlab.com
 - Web apps
 - Front end frameworks
 - Backend frameworks
 - Database
 - Components
- Mobile
- Other

How to evaluate open source software

Code

- Does it do what you need?

Usage

- Stars, Forks
- Contributors
- Last commit
- Readme file:
 - License
 - How to contribute?
- Issues tab
 - Bugs section
- Pull requests

How to evaluate open source software

Less organized

- Download the code, run it, find a bug
- Open an issue
- Contact the developer and propose your solution

How to start a movement

Redis Turns 10 – How it started with a single post on Hacker News



<https://redislabs.com/blog/redis-turns-10/>

<https://youtu.be/lbaemWlljeQ>

Choosing Open Source Software & Contributing Back

Thank you

Thank you

Email: dnielsen@gmail.com

Twitter: [@davenielsen](https://twitter.com/davenielsen)

Github: github.com/dnielsen

Linkedin: linkedin.com/in/dnielsen

5 mins break

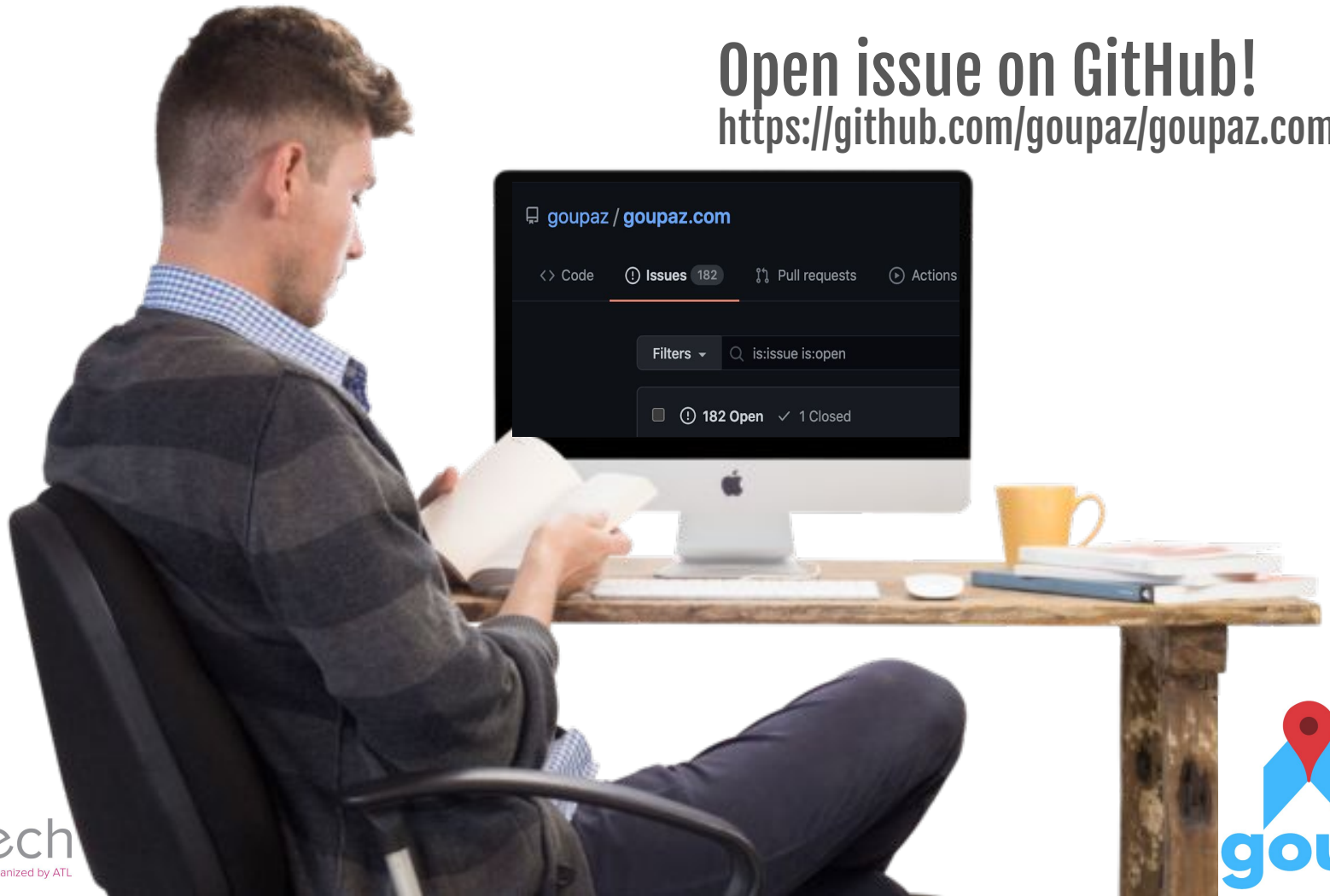


Wrap-up



Open issue on GitHub!

<https://github.com/goupaz/goupaz.com>



Thank you!