OPEN SOURCE WORK AS A PHD STUDENT

PHILIPP GABLER 2022 - 08 - 05

WHY THIS TOPIC?

OWE ALL USE OS SOFTWARE, DAILY

· SCIENCE DEPENDS ON IT!

· DO YOU USE IT'S FULL POTENTIAL?

OUTLINE

1) MY HISTORY IN OS

2) WHAT CAN OS DO FOR YOU?

3) HOW TO GET STARTED

N.B.

I'M NOT TALKING ABOUT CREATING AND
MANAGING YOUR OWN PROJECTS SO MUCH
RATHER, THIS TALK IS ABOUT BEING PART

OF AN OPEN-SOURCE COMMUNITY!

1

A TYPICAL HISTORY?

STARTING SMALL

2 contributions in 2014

Contribution settings ▼





247 contributions in 2021

Contribution settings -



2021

DARING TO RAISE (SSUBS

WAS INVITED AS MAINTAINER

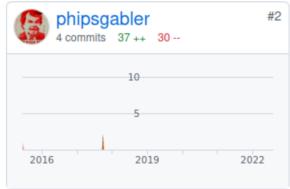
#27 by phipsgabler was closed on Apr 29, 2018	□ 3
	□ 2
 ✓ docker/docker.github.io Top of page becomes white with certain screen sizes in portrait orientation #2692 by (phipsgabler) was closed on Aug 30, 2017 area/Docs UX 	□ 3
 ✓ codemirror/codemirror5 Julia: confusion when Julia code is used in a non-standard string literal #4682 by phipsgabler was closed on Apr 11, 2017 	□ 3
 	□ 2
	₽ 9

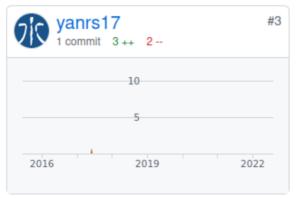
SMALL - PROJECT COLLABORATION

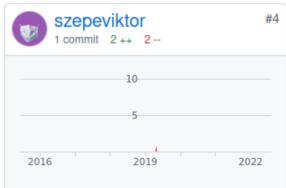


Convert Trello's JSON exports to Markdown.

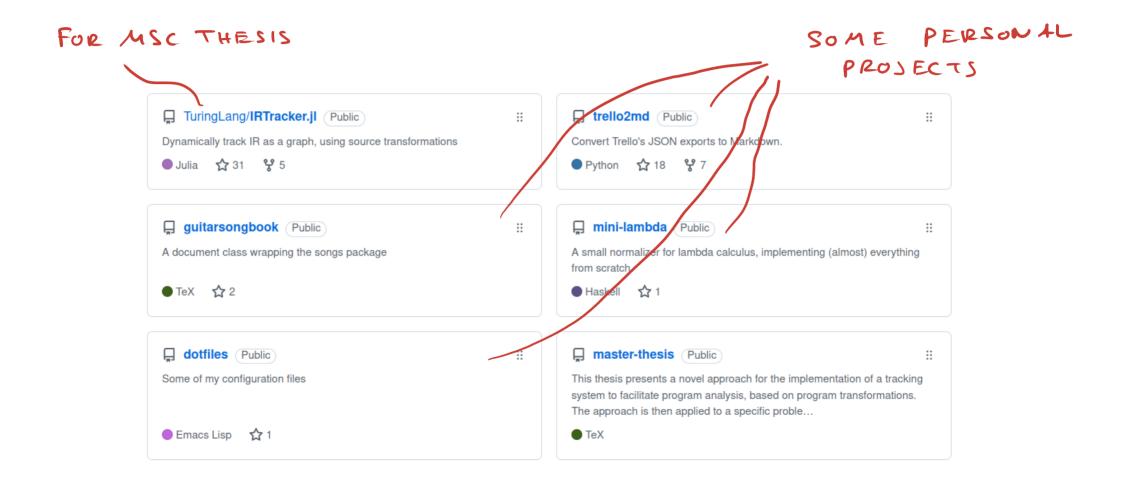




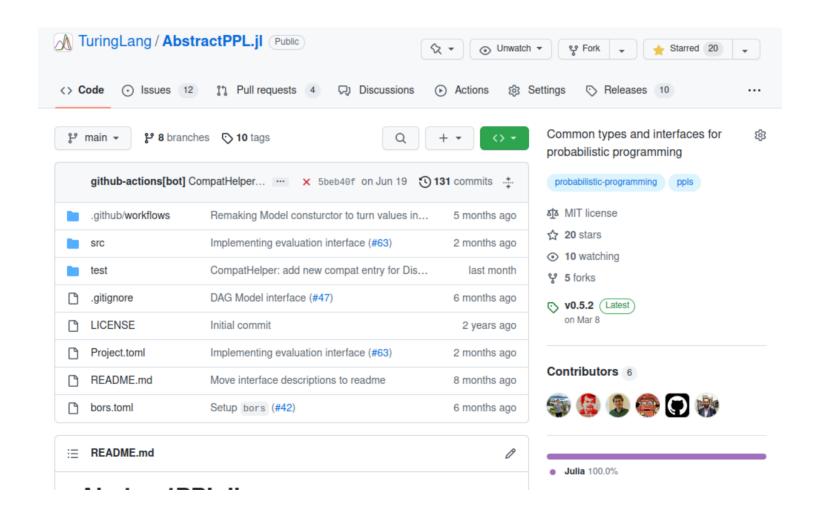




UNTIL MSC THESIS



AFTER MSC THESIS



PROJECT WORK IN TURING

Directed-graphical model support for the abstract probabilistic programming library

Mentors: Philipp Gabler, Hong Ge

Project difficulty: Hard

Project length: 350 hrs

Description: We want to have a very light-weight representation of probabilistic models of static graphs (similar to BUGS), which can serve as a representation target of other front-end DSLs or be

FRUITS OF LABOUR



2

LESSONS LEARNT

TECHNICAL PROFITS

O (FORCED TO) LEARN SOFTWARE DEU HABITS SOFTWARE DEU HABITS

OPROJECT MANAGEMENT WORKFLOW

OREMOTE COLLABORATION

WORK BENEFITS

0 CONTACT WITH DEUS RELEVANT TO YOUR WORK

O UNDERSTAND SOFTWARE 2 METHODS BETTER

O GET BUG FIXES QUICKLY

O POWER TO INFLUENCE & IMPROVE

ACADEMIC OPPORTUNITIES

- O REPRODUCIBILITY
- · FREE & EXCELLENT SUPPORT
- · REPUTATION
- O NETWORKING:
 - US POTENTIAL FOR COLLABORATION, SUPERVISITION, INNOVATION
- 0 1040

3

HOW TO GET STARTED

FIRST STEPS

- · GET AN ACCOUNT ON GITHUB, GITLAB, ...
- O READ ISSUES OF PROSECTS YOU USE/LIKE
- OGET FAMILIAR WITH DEUS & INTERNALS
 US FOLLOW ON SCACK, DISCORD,...
 - WASK QUESTIONS, ADD TO DISCUSSIONS
- O READ THE SOURCE OF "YOUR" PROJECT!

MAKE ISSUES A HABIT



phipsgabler on 7 Jun 2020 • edited -



I don't even use JS, but stumbled onto your site by chance and find it rather nice.

Anyway, the second proposed snipped for shuffling.

```
const shuffle = arr => arr.sort(() => .5 - Math.random());
```

is exactly what one should not do for unbiased permutations, see en.wikipedia.org/wiki/Fisher%E2%80%93Yates shuffle#Sorting. (The first should be fine, though.)





elkarouani mentioned this issue on 21 Dec 2021

Fix shuffle an array method #492

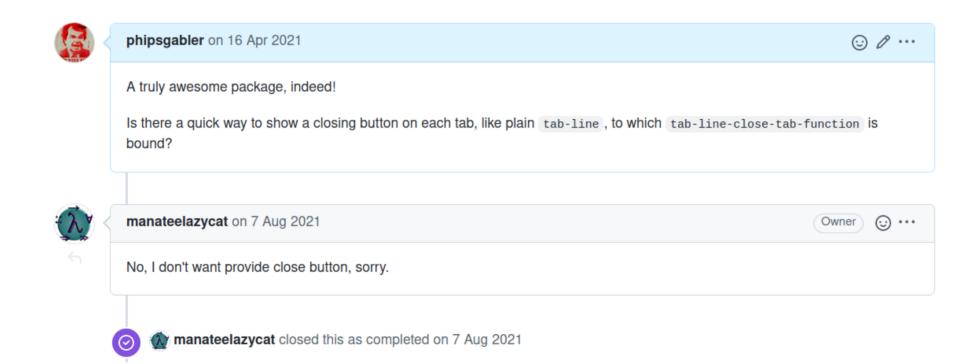






phuoc-ng closed this as completed in #492 on 22 Dec 2021

ACCEPT REJECTIONS



START SMALL

Fix firstindex in replace ref begin end (fixes JuliaLang#41630)



phipsgabler committed on 24 Jul 2021

1 parent

No Whitespace

Showing 2 changed files with 39 additions and 1 deletion.

```
@@ -42,7 +42,7 @@ function replace_ref_begin_end_!(ex, withex)
           · · · · · · · · · · · · · · · · · · n · = 1
42
      42
      43
           -----J = lastindex(ex.args)
43
44
      44
           ·····for j = 2:J
45
           ....exj, used = replace_ref_begin_end_!(ex.args[j], (:($firstindex($S)),:($lastindex($S,$n))))
            ....exj, used = replace_ref_begin_end_!(ex.args[j], (:($firstindex($$,$n)),:($lastindex($$,$n))))
      45
                     ·····used S·|=·used
46
      46
                   ·····ex.args[j] = exj
47
      47
                  ....if isa(exj,Expr) && exj.head === :...
48
      48
  ....
```