


**Squeezable,
Modern,
Helpful,
Wide**



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 @houseofmoran.com

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My Rust Story ...



📅 1990's

📅 2000's / 2010's

📅 2020-ish

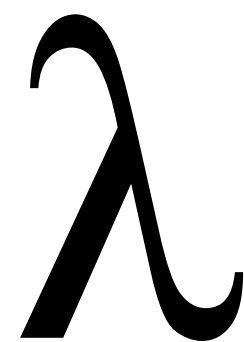
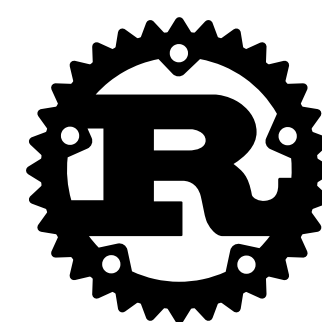
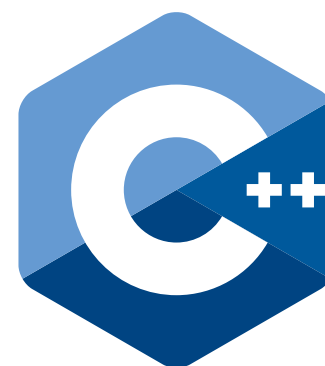
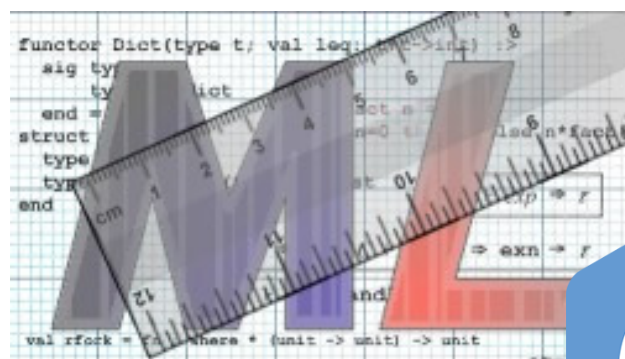
AI/CS Degree

Professional

Multi-paradigm

Main-stream

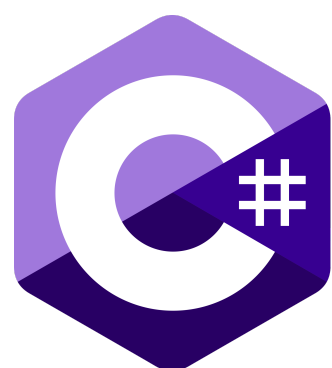
Something new?



OCaml




SWI Prolog



 May 2019

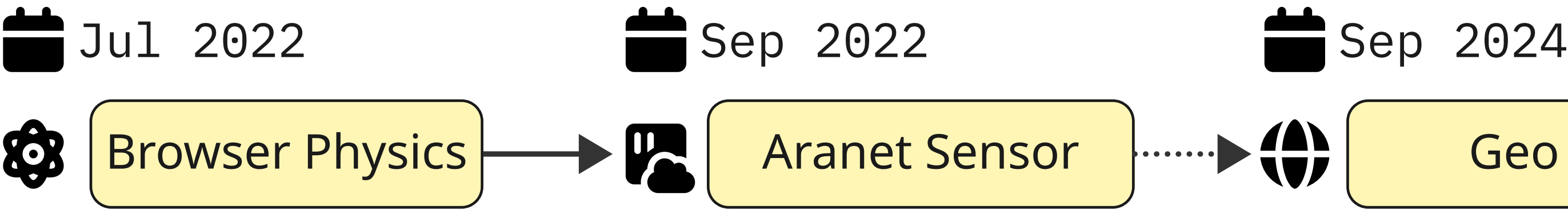


 Oct 2019



Filmhouse scraper





mikemoraned/
physics


playing with physics stuff


1Contributor

0Issues

0Stars

0Forks





github.com

GitHub - mikemoraned/physics: playing with physics stuff

playing with physics stuff. Contribute to mikemoraned/physics development by creating an account on GitHub.

mikemoraned/
aranet4


Things related to Aranet4 CO2 Sensor


1Contributor

0Issues

0Stars

0Forks





github.com

GitHub - mikemoraned/aranet4: Things related to Aranet4 CO2 Sensor

Things related to Aranet4 CO2 Sensor. Contribute to mikemoraned/aranet4 development by creating an account on GitHub.

mikemoraned/
geo


umbrella monorepo for geo projects


2Contributors

0Issues

0Stars

0Forks





github.com

GitHub - mikemoraned/geo: umbrella monorepo for geo projects

umbrella monorepo for geo projects. Contribute to mikemoraned/geo development by creating an account on GitHub.



Productivity vs Reach



Productivity

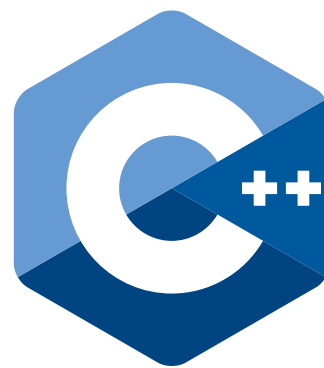
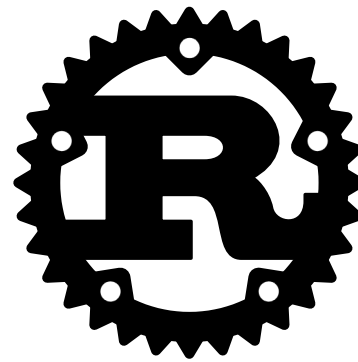
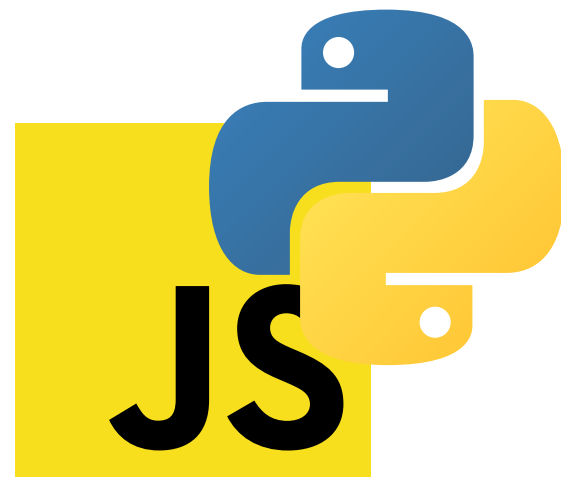


**In the
Beginning...**

Reach



Productivity



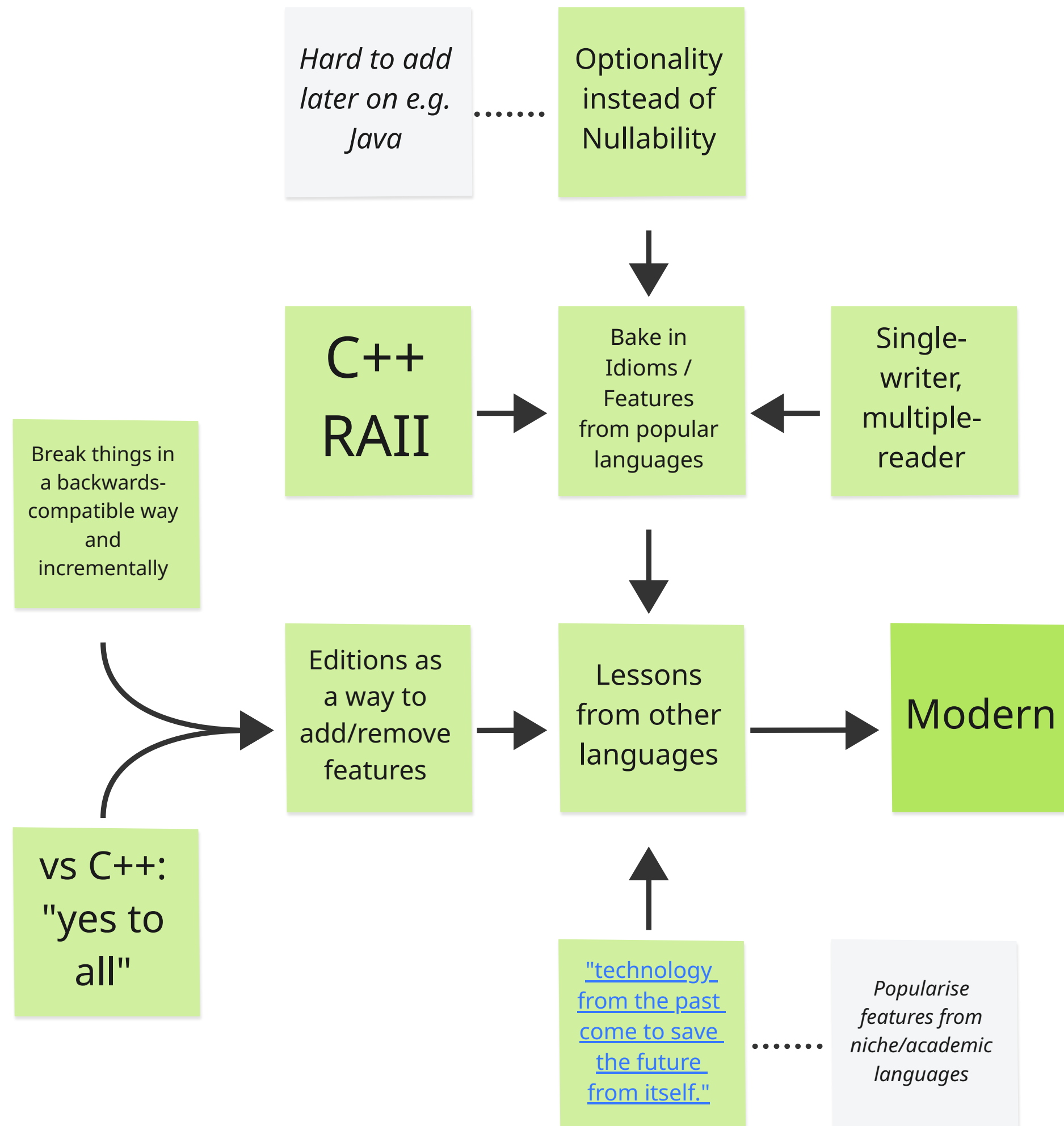
Reach

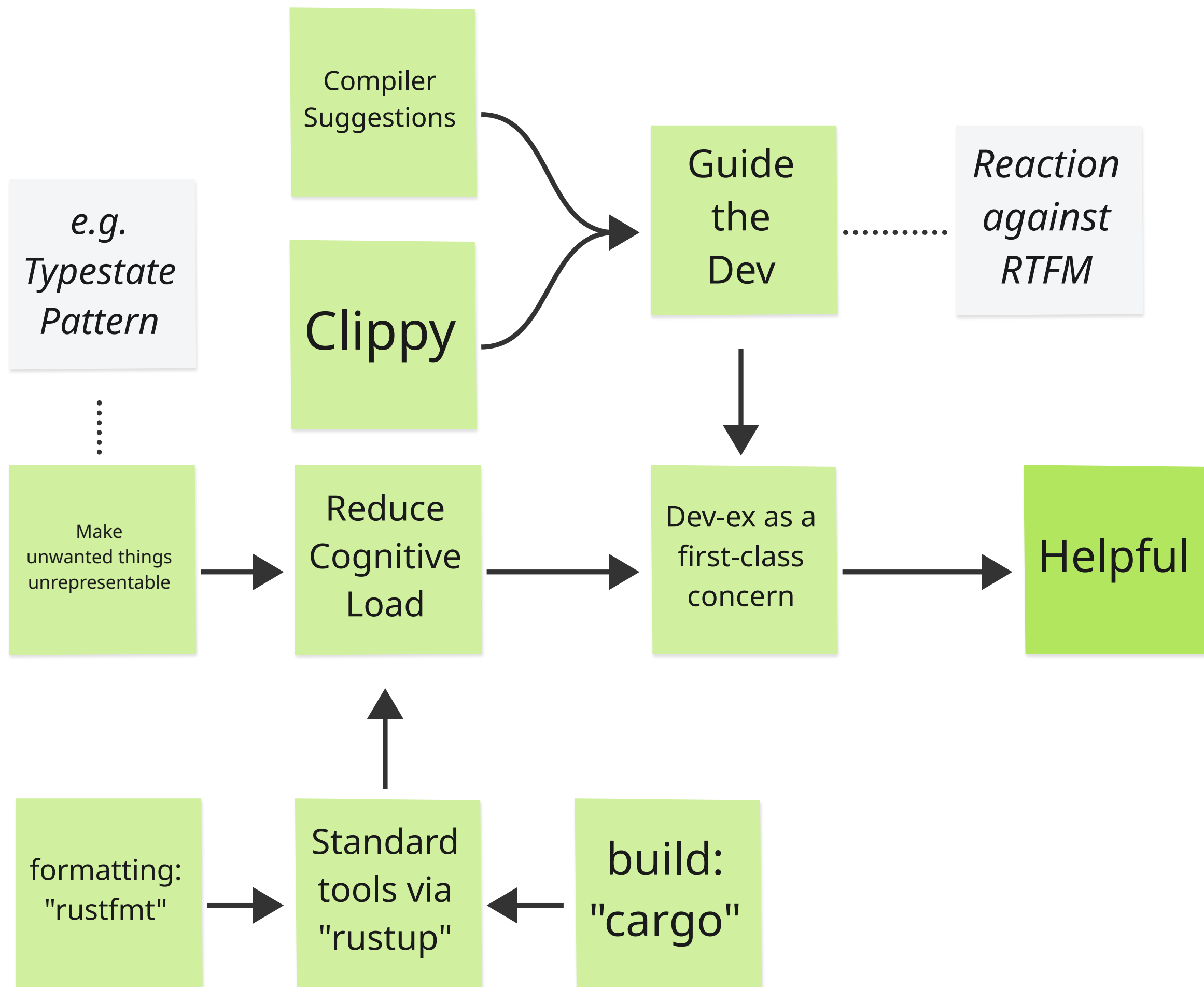
**...but when
sustained?**



**Productivity =
Modern + Helpful**







```
bash-3.2$ cargo clippy
    Checking clippy v0.1.0 (/Users/caleb/Garbage/rust/clippy)
error: this `if` has identical blocks
--> src/main.rs:2:13

2 |         if true {
3 |             println!("Hello, world!");
4 |         } else {
  |             ^
  |
= note: `[deny(clippy::if_same_then_else)]` on by default
note: same as this
--> src/main.rs:4:12

4 |         } else {
5 |             println!("Hello, world!");
6 |         }
  |             ^
  |
= help: for further information visit https://rust-lang.github.io/rust-clippy/master/index.html#if\_same\_then\_else

error: could not compile `clippy` due to previous error
bash-3.2$
```



```


    Compiling scraper v0.1.0 (/Users/mxm/Code/mine/filmhouse_prime/scraper)
warning: unused import: `ParseError`
--> src/bin/amazon_searcher.rs:4:11
4 | use url::{ParseError, Url};
  |           ~~~~~~
= note: `#[warn(unused_imports)]` on by default

error[E0277]: cannot add `time::Duration` to `chrono::NaiveDate`
--> src/bin/filmhouse_scraper.rs:53:31
53 |         let date = start_date + Duration::days(day_offset);
    |                               ^ no implementation for `chrono::NaiveDate + time::Duration`
= help: the trait `Add<time::Duration>` is not implemented for `chrono::NaiveDate`
= help: the following other types implement trait `Add<Rhs>`:
      `chrono::NaiveDate` implements `Add<Days>`
      `chrono::NaiveDate` implements `Add<Months>`
      `chrono::NaiveDate` implements `Add<TimeDelta>`

For more information about this error, try `rustc --explain E0277`.
error: could not compile `scraper` (bin "filmhouse_scraper") due to 1 previous error
warning: build failed, waiting for other jobs to finish...
warning: `scraper` (bin "amazon_searcher") generated 1 warning (run `cargo fix --bin "amazon_searcher"` to apply 1 suggestion)
mxm@lima-default:/Users/mxm/Code/mine/filmhouse_prime/scraper$

```






HOW TO USE THE TPESTATE PATTERN IN RUST

Written by
Jayson Lennon


zerotomastery.io

How To Use The Tpestate Pattern In Rust | Zero To Mastery

Issues with data state changes while coding Rust apps? Don't sweat. In this Rust tutorial, I walk you through 3 ways to solve this issue with tpestate pattern.

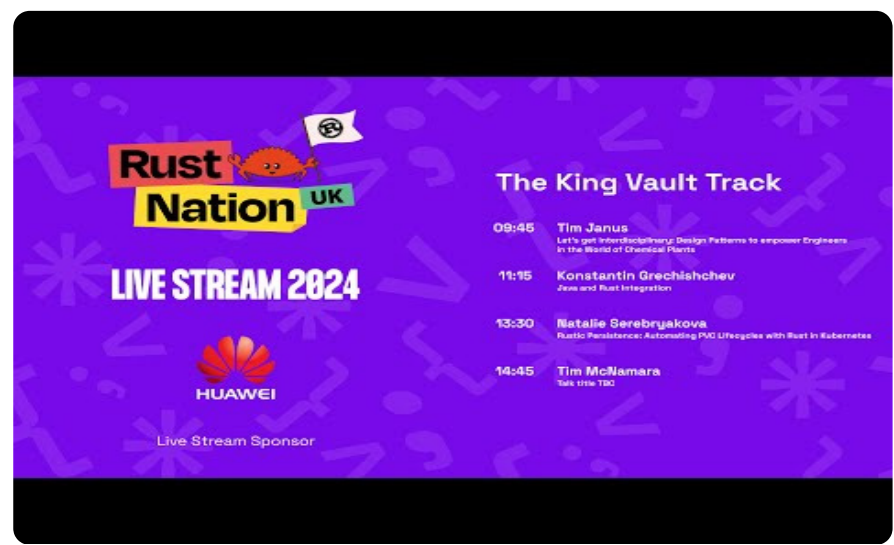


users.rust-lang...



How to use the tpestate pattern for event processing? Is it a good idea?

I've read recently about the tpestate pattern and I think that it can be very useful for writing the foundation of my application. As I've included in the example, it's very interesting for writing builders that avoid errors at compile time.



Rust Nation UK


LIVE STREAM 2024

HUAWEI
Live Stream Sponsor

The King Vault Track


| | |
|-------|--|
| 09:45 | Tim Janus Let's get Interlock! Rust Design Patterns to empower Engineers in the World of Cloud and Rust |
| 11:15 | Konstantin Grechikhin Rust and Rust Integration |
| 13:30 | Natalie Serebryakova Rustic Persistence: Automating PGD Lifegates with Rust in Kubernetes |
| 14:45 | Tim McNamara Rust in the Cloud |

YouTube



blog.yoshuawuyts.com

State Machines III: Type States



play.rust-lang.org

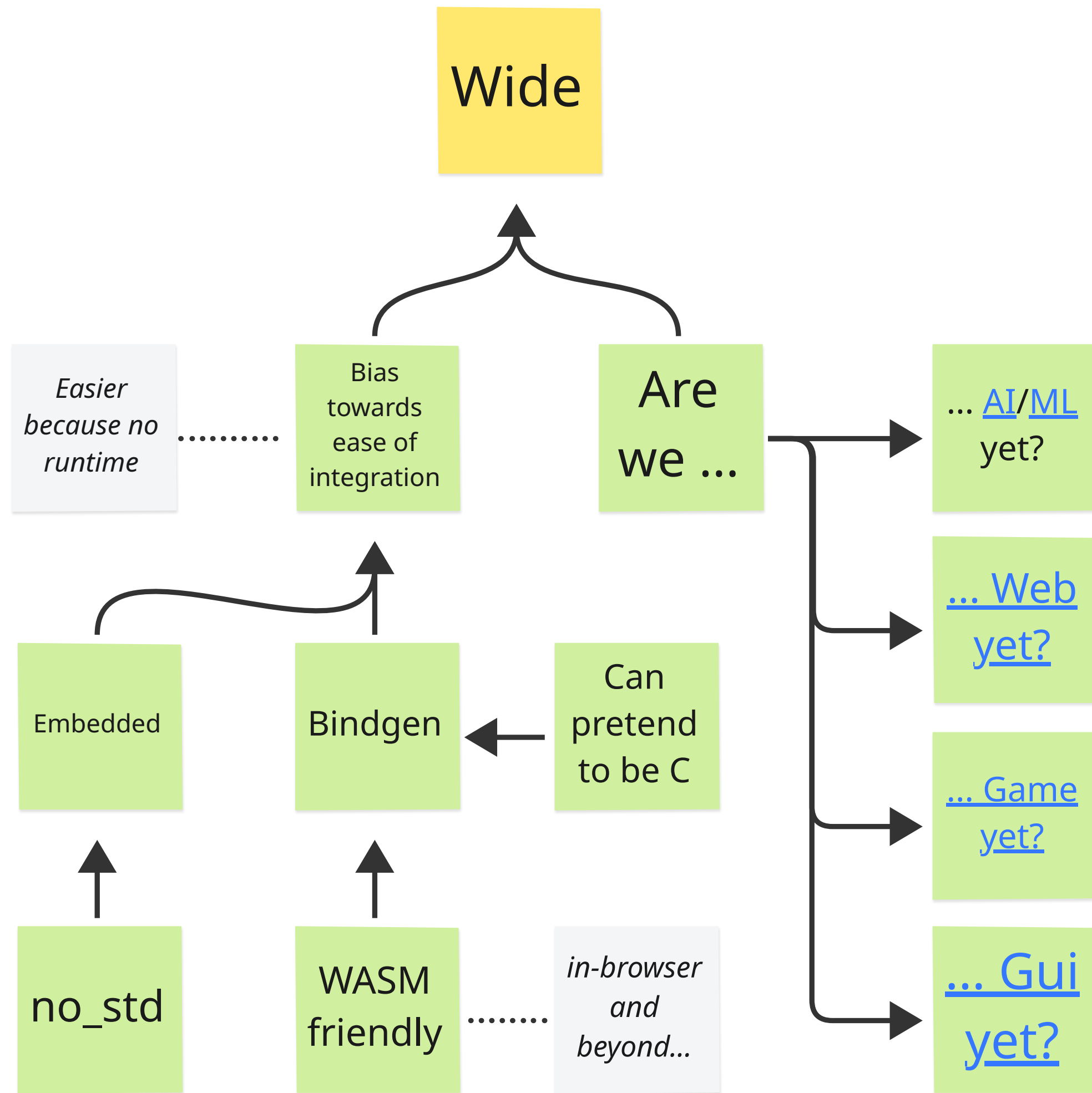
Rust Playground

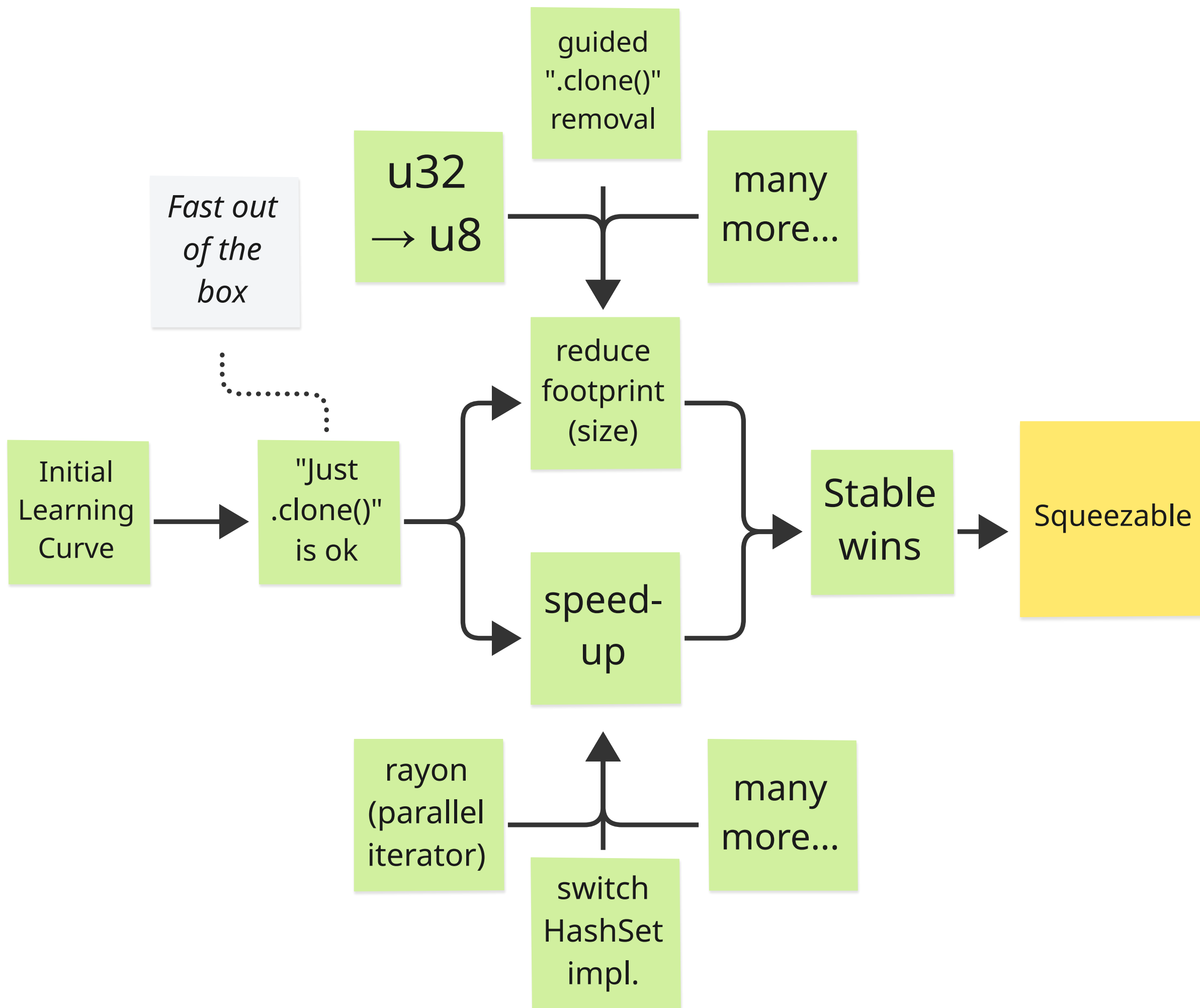
A browser interface to the Rust compiler to experiment with the language



**Reach =
Wide + Squeezable**

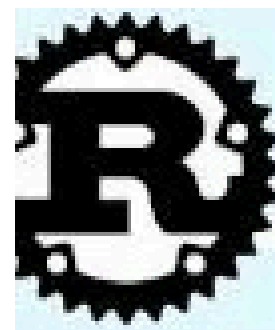






But not *all* rosy



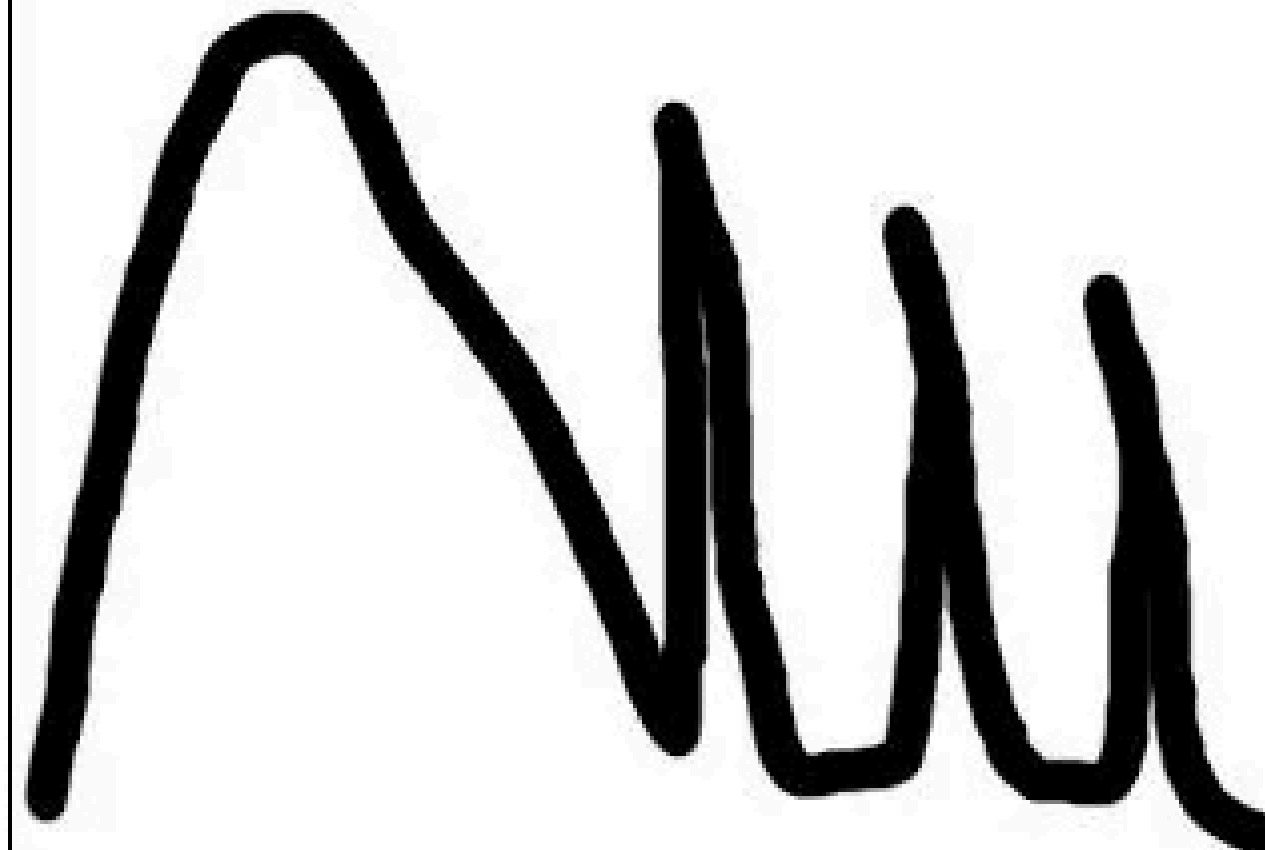


RUST LEARNING CURVE

EXPECTATION



REALITY





"I'LL USE ASYNC!"
you now have two problems

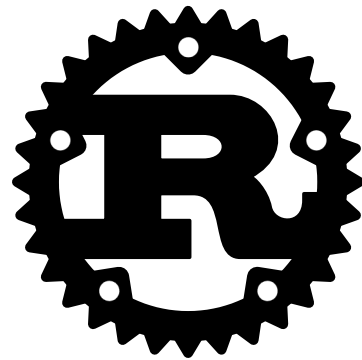
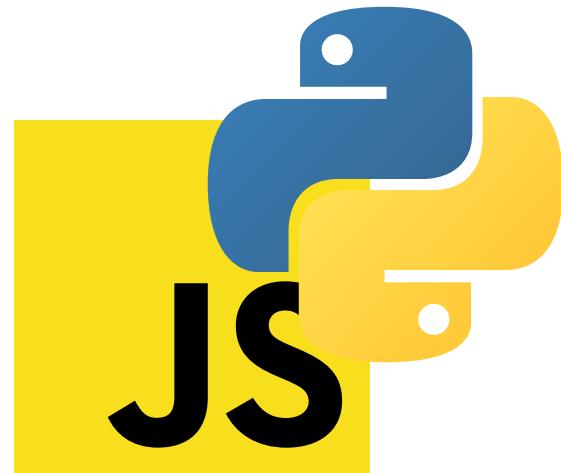
 Async Isn't Real & Cannot Hurt You
YouTube



Conclusions / Next Steps



Productivity



Reach

When you think you broke it while refactoring, but remember it's Rust.





> rustandfriends.org

Rust and Friends

Website for the Rust language
community in Edinburgh





EuroRust 2025 - October 9 & 10, Paris & online

EuroRust is a 2 day conference for the European Rust community - October 9 & 10, 2025 - in Paris & online



Rust Nation UK | Learn Rust

Rust Nation UK is the first conference dedicated to the Rust programming language. It will be held at a London venue on the 18th & 19th February 2026.



Rust in Production Podcast | corrode Rust Consulting

This is 'Rust in Production', a podcast about companies who use Rust to shape the future of infrastructure. We follow their journey in pursuit of more reliable and efficient software as they solve some of the most challenging technical problems in the w...



oxide-and-friends.transistor.fm

Oxide and Friends

Oxide hosts a weekly Discord show where we discuss a wide range of topics: computer history, startups, Oxide hardware bringup, and other topics du jour. These are the recordings in podcast form. Join us live (usually Mondays at 5pm PT) <https://discord.g...>



onthemetal.transistor.fm

On The Metal

As a part of starting Oxide Computer Company, Bryan Cantrill and Jess Frazelle decided to also create the podcast that they always wanted. Joined frequently by their boss, Steve Tuck, Bryan and Jess interview incredible guests retelling stories of adven...



> smallcultfollowing.com

baby steps

Just yesterday, AWS announced General Availability for a cool new service called Aurora DSQL - from the outside, it looks like a SQL database, but it is fully serverless, meaning that you never have to think about managing database instances, you pay fo...



> without.boats

Without boats, dreams dry up

To put it quite bluntly: as long as there were no machines, programming was no problem at all; when we had a few weak computers, programming became a mild problem, and now we have gigantic computers, programming has become an equally gigantic problem.



fasterthanlime



> fasterthanli.me

fasterthanli.me

Hi! I'm Amos, better known as @fasterthanlime. I make articles and videos about how computers work. My content is long-form, didactic and exploratory - and often an excuse to teach Rust! I also co-...

