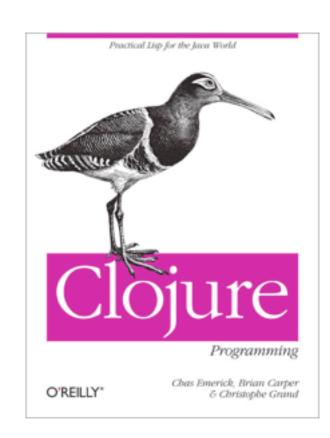# You Aren't Gonna Need It

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Who am I?

- Christophe Grand, @cgrand

- Early Clojure adopter

- Clojure Programming co-author

- Independent dev

- λ next

Clojure à la carte

- Overwhelming at first
- Alien/shiny features
- You don't need them!
  - You made it so far without them!

DON'T USE

- recur

- general recursion

- DIY lazy seqs

- lists

- ref types

- protocols

- defrecord/deftype/defstruct

- multimethods

- macros

Why?

- Break imperative habits

- Learn the fine core library

- Keep It Simple, Stupid

DON'T USE

- recur
- general recursion
- DIY lazy seqs
- lists
- ref types
- protocols
- defrecord/deftype/defstruct
- multimethods
- macros

learn the core lib

break habits

KISS

Brain rewiring

- Anything familiar is a lie

- If your code doesn't flow

  - You are doing it wrong

  - Keep trying!

    - Or ship!

    - May take years...

Learn core fns

- It's gonna be painful

- It's gonna be ugly

- It's gonna collapse to a one-liner*

*More often than not

KISS

- Low ceremony architecture

- Data as the API

  - Borrow lessons from the web

Encapsulation

- Hide state

- Expose public methods

- What's the point when you can't tamper state?

Validation

- Validator fns (schemas)
  - pre/post conditions
  - module wrappers
  - validators on refs

Use and abuse

- functions

- the core lib

  - #'reduce and #'for* a potent combo

- destructuring

- maps and sets

- think relational

*or map/mapcat/remove/filter/keep

Happy hacking!