Clojure's good parts:

Lisp, with a little syntax

Immutable by default

Protocols

That:

is easy to get started with

compiles to C

includes Category Theory

```
Core protocol:
(defprotocol Container
 (flat-map [x f])
 (extract [x])
 (extend [x f])
 (wrap [x v])
 (apply* [xf args])
 (map [x f])
 (send* [x f-and-args]))
```

These are all forms of function composition

Data structures compose data

Function composition composes solutions

Imperative flat-map, wrap

Query (SQL, GraphQL) flat-map

Concatenative (Forth, Joy) plain fn composition

Reactive send, extract

Logic (miniKanren, Prolog) flat-map

OOP extract, extend

Tools

Language - conceptualize and encode ideas

Package System - share code with others

Modeler - extract meaning

Formatter - make it pretty

Checker - verify correctness to extent possible

Compiler - make it runnable

Tester - find inputs that trigger bugs

Debugger - fix bugs