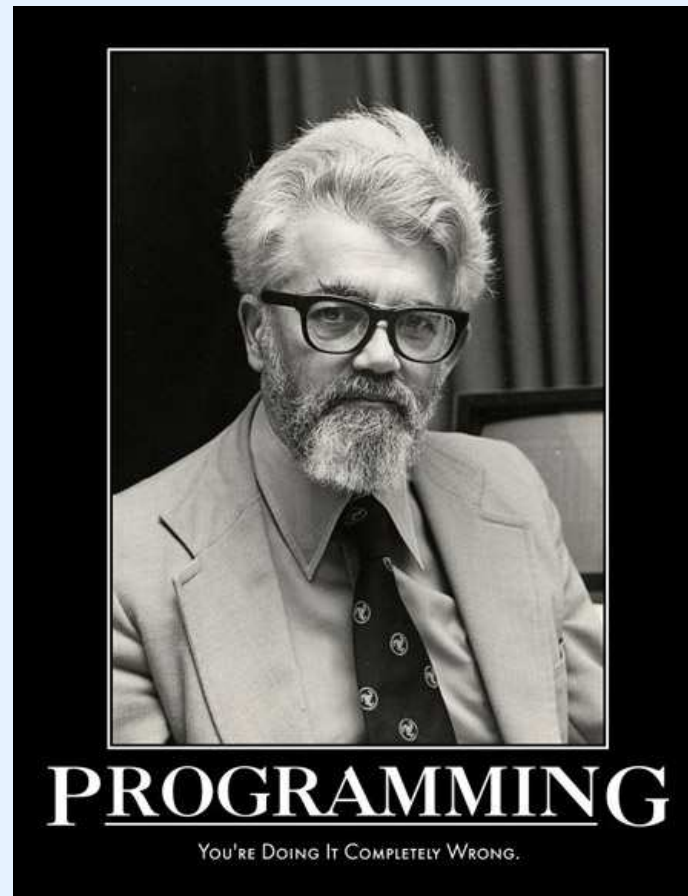# LAMBDA LOUNGE

Pixie

Christopher Mark Gore
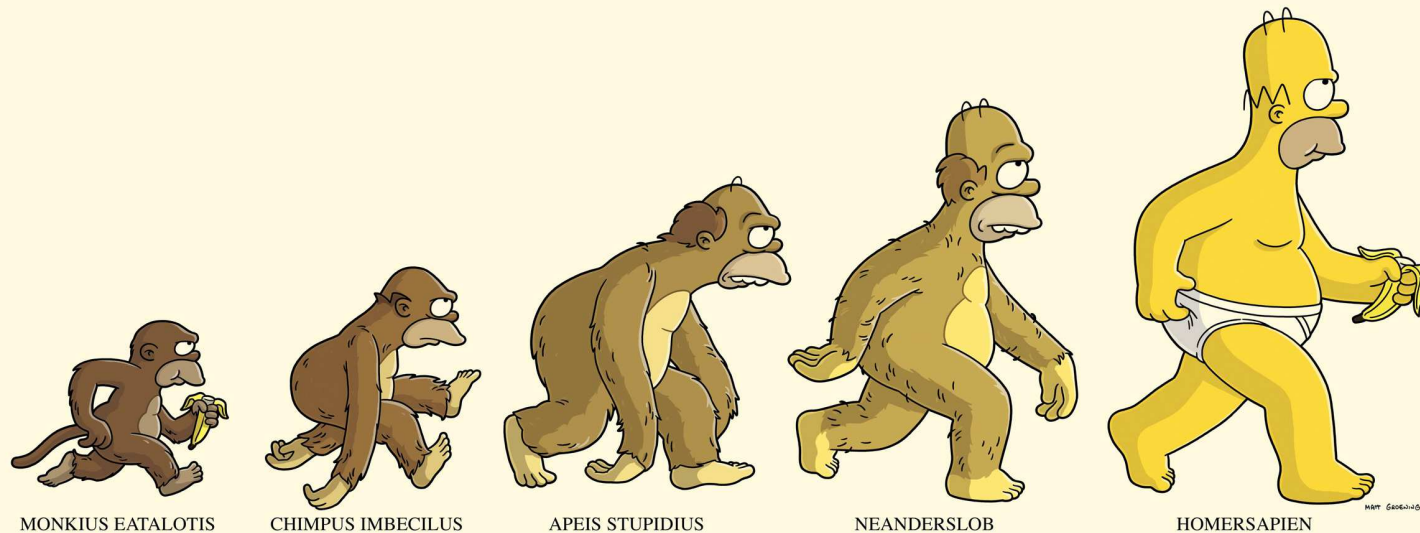
cgore.com

Thursday, December 3, AD 2015

We write Clojure at The Climate Corporation, and we're hiring! Come work with us!

Some people actually program in languages other than Lisp.

PROGRAMMING

You're Doing It Completely Wrong.

I started using Common Lisp in 2004 for evolutionary computation as my M.S. thesis, and quickly learned to love Lisp.

MONKIUS EATALOTIS · CHIMPUS IMBECILUS · APEIS STUPIDIUS · NEANDERSLOB · HOMERSAPIEN

HOMERSAPIEN

I'm believe in Lisp that my personal project is a website (early alpha stages) that uses a weird Lisp with LaTeX-like appearance instead of Markdown or something similar.

```
1  Welcome to the future of crapflooding!
2
3  \dotimes{1000
4    \b{Netcraft confirms it;} the JVM is naked and petrified!
5    \br
6  }
7
8  \it{Wasn't that fun?}
```

And then I got a real job doing embedded C for an avionics firm up in Milwaukee.

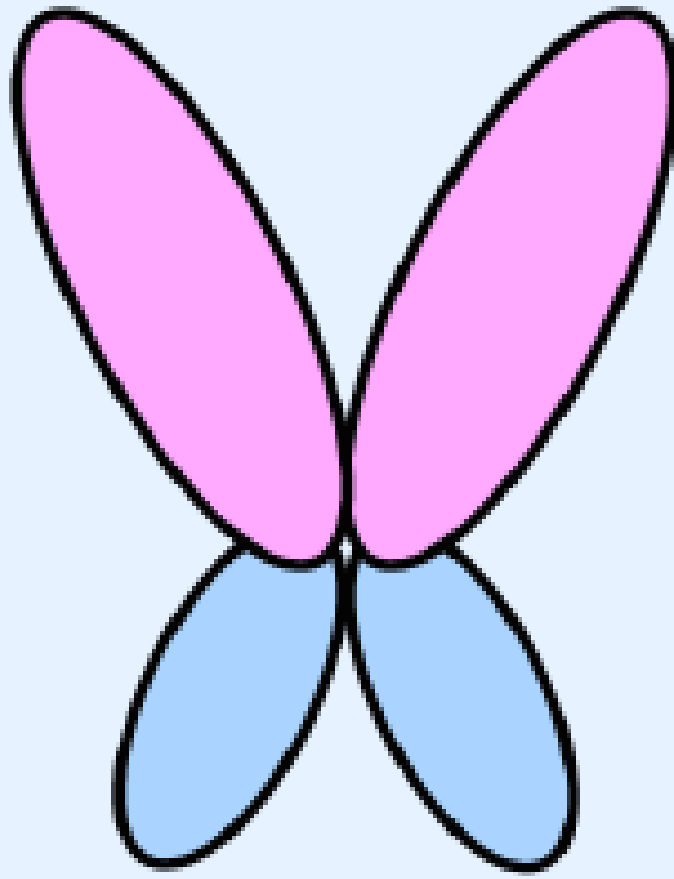**Around 2009 I started messing around with Ruby a lot, and it's actually pretty nice for a not-quite-Lisp.**

But for the last two years, I've been doing Clojure as my main gig, and that's been pretty awesome.

There's just one problem I really have with Clojure …

Pixie is very early in development, inspired by Clojure (but not a port/fork/clone), and doesn't run on top of the JVM.

Let's make a Pixie!

```
1 $ git clone git@github.com:pixie-lang/pixie.git
2 $ cd pixie
3 $ make build_with_jit # This is pretty
4 $ ./pixie-vm # REPL = goodness
```

There's already a lot of cool stuff there.

```
1  $ ./pixie-vm
2  user => "Hello, Pixie!"
3  "Hello, Pixie!"
4  user => (println "Hello, Pixie!")
5  Hello, Pixie!
6  nil
7  user => (+ 1 2 3)
8  6
9  user => (defn foo [x] (+ x 4077))
10 <inst pixie.stdlib.Var>
11 user => (foo 12)
12 4089
```

Conclusion

Questions?