Haskell Edward Z. Yang

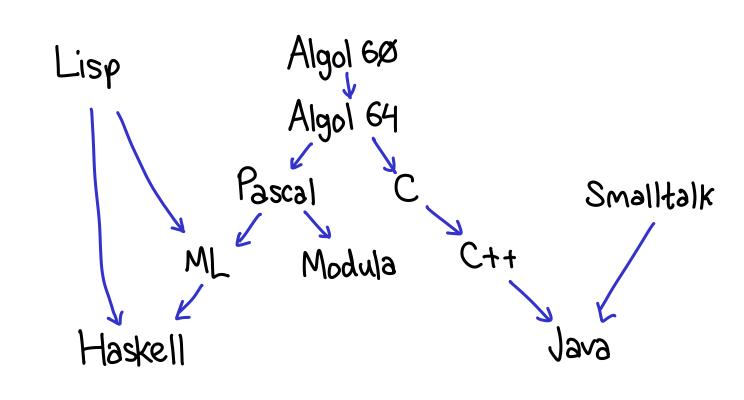
Haskell Say more with less! First-class functions | Pattern matching
Type inference | Type classes < Monads / Continuations Reliability and Reuse! Objects & Inheritance Modules Generics Cross-cutting concerns Memory management Concurrency

What is Haskell?

a typed, lazy, functional programming language

What is Haskell? compositional programs functions first class expression is king a typed, lazy, functional & programming language Strong types type-directed programming

Where is Haskell?

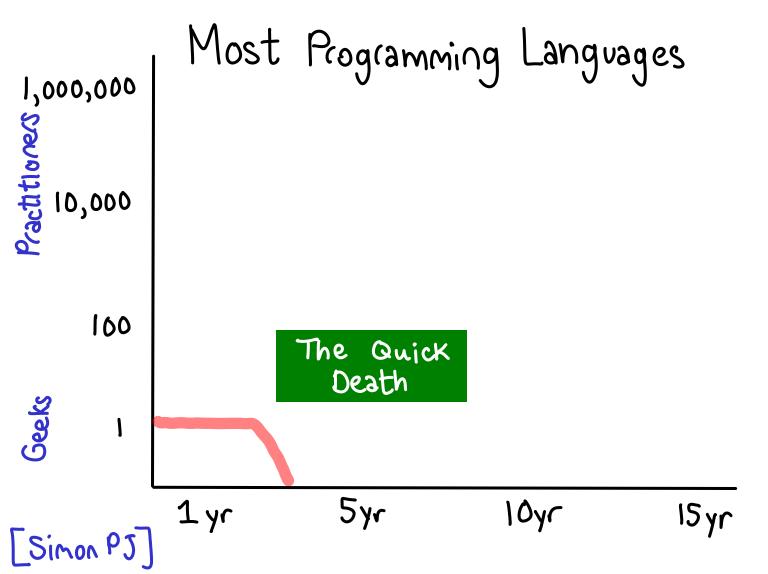


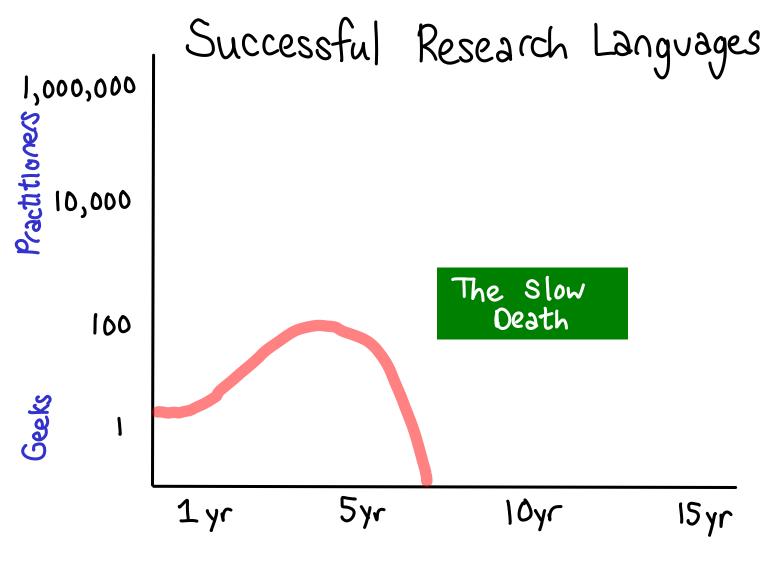
Why Haskell?

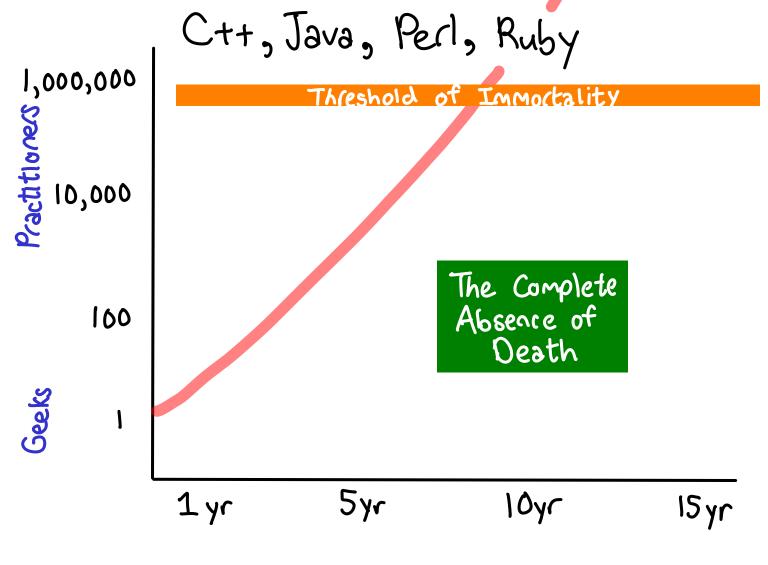
Types will change the way you think

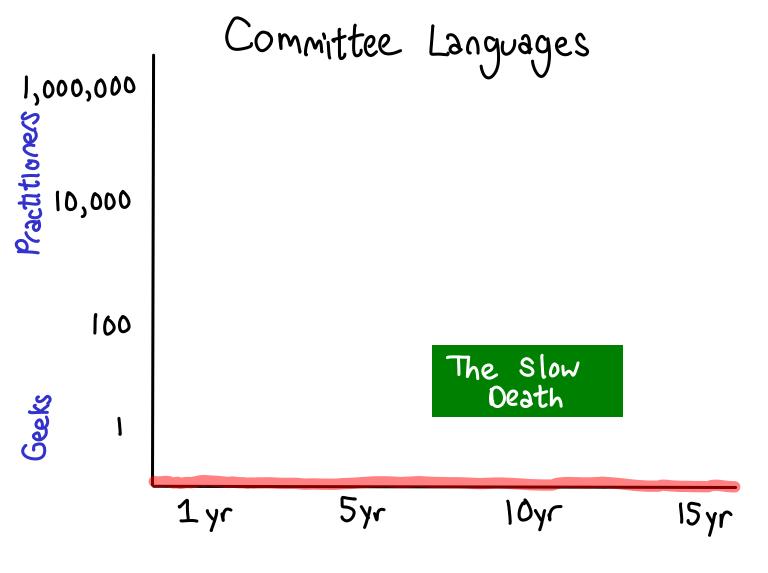
Raise the level of abstraction

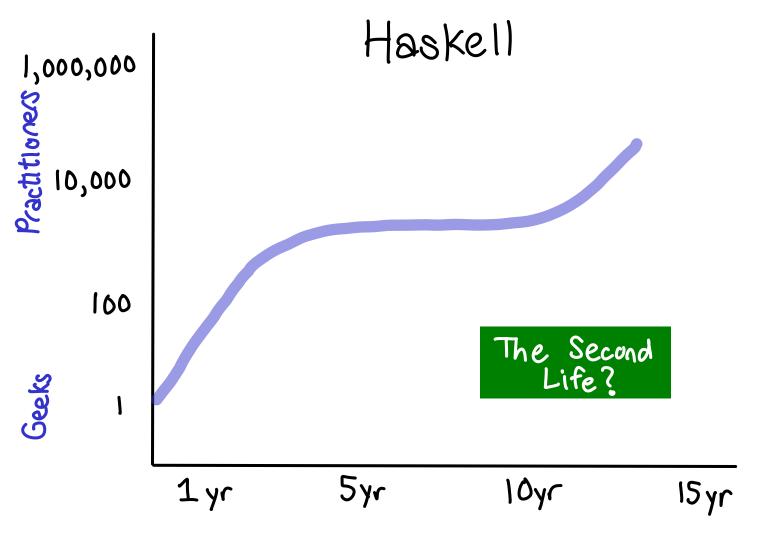
Purity to be essential for multicore











Announcements

don't forget to register!

Homework 1 is out on <u>cs242.stanford.edu</u>
Two labs: one JavaScript, one Haskell.
A lot of text and ideas, very little code.

We moved to Piazza!

piazza.com/stanford/fall2Ø15/cs242/home