Compilers

Cool Overview

Alex Aiken

- Classroom Object Oriented Language

- Designed to be implementable in a short time

- Give a taste of implementation of modern
  - Abstraction
  - Static typing
  - Reuse (inheritance)
  - Memory management
  - And more …

- But many things are left out

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- **A complete compiler**
  - Cool -> MIPS assembly language

- **In 5 programming assignments (PAs)**
  - Write a Cool program
  - Lexical analysis
  - Parsing
  - Semantic analysis
  - Code generation