

CS 131

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April 28, 2023

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1 Overview

2 Functional Programming (Haskell)

2.1 Overview

We will talk about functional programming as it pertains to *Haskell*, a purely functional language. All functions must have the following properties:

- Functions must take in an argument
- Functions must return a value
- Be pure (does not change the state of the program (**Note:** This includes I/O!))
- In functions, all variables are immutable
- Functions are **first-class citizens**, so they are treated as data