CS 589 • Class Topics

Understanding

Domain Analysis
  1. Domain Decomposition
  2. Domain Modeling

Semantics First
  3. Micro DSL & Domain Integration Syntax
  4. Language Operators
  5. Deep/Shallow Embedding
  6. Monadic DSLs
  7. Bindings
  8. Data Types, Type Classes, Monads

Modeling/Implementing

Midterm

Evaluation

Cognitive Dimensions

Usability

Examples

Introduction