

Important things to study:

- DFA: construction, acceptance, regular expressions, diagrams
- Context Free Languages: grammars, acceptance, parse trees, ambiguity, left-most/right-most derivations, example problems with grammars
- Call Structure / Variable: activation record, control flow, ARP, variables, variable bindings, nested procedures, call-by-reference, call-by-value, memory usage for data
- Value Numbering, Dependence DAG, Register Allocation