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1 Overview

abcdef

1.1 Programming Languages

1.2 Compiler

1.3 Programming Paradigms

1.4 Code Quality and Design

1. designe patterns
2. aspect/feature oriented programming
3. test driven development

1.5 Operating System Concepts

1.6 Algorithms

1.7 Data Structure

1.8 Distributed Systems

1.9 Machine Learning

2 Compiler

2.1 Parsers

2.2 Lex

2.3 Front-End

2.4 Back-End

2.5 IR

2.6 Optimization

3 C++

3.1 initilization

3.2 value and copy semantics

3.3 modules

3.4 exceptions

3.5 Idiom

RAII Resource ...

SFINAE Resource ...