Mindluster Platform

About the course Software engineering basics

Course Presenter : 0612 TV w NERDfirst

Software engineering basics, in this course we will learn about the Software Engineering Basics Course, designed to introduce you to the core principles, methodologies, and tools of software engineering. Youâ€™ll explore the software development lifecycle (SDLC), including planning, designing, coding, testing, and maintenance phases. The course covers key concepts like agile development, requirements gathering, and software design patterns, emphasizing best practices for writing clean, maintainable, and scalable code. Additionally, youâ€™ll gain an understanding of version control systems like Git and collaborative workflows. With real-world examples and hands-on projects, this course equips you with the foundational knowledge needed to approach software development systematically and professionally. By the end, youâ€™ll be prepared to contribute effectively to software projects and build a strong foundation for further study or a career in software engineering. 0612 TV w NERDfirst

Computer Science Category's Courses

Course Lesson(28)

Lesson 1 : **Software Engineering Basics**

Lesson 2 : **Instruction Set Architectures**

Lesson 3 : **Backus Naur Form**

Lesson 4 : **Types of Networks**

Lesson 5 : **Abstraction A Programming Concept**

Lesson 6 : **Stacks and Queues**

Lesson 7 : **GPU Computing**

Lesson 8 : **Check Digits**

Lesson 9 : **CPU Pipelining The cool way your CPU avoids idle time**

Lesson 10 : **Classes of Computers**

Lesson 11 : **Linked Lists**

Lesson 12 : **Styles of Programming**

Lesson 13 : **Analog Encoding of Digital Data**

Lesson 14 : **Little Man Computer Friday Minis 157**

Lesson 15 : **Necessary vs Sufficient Conditions Friday Minis 184**

Lesson 16 : **How to Reason about Recursion**

Lesson 17 : **Build a queue from two stacks**

Lesson 18 : **How to subtract without negative signs The Method of Complements**

Lesson 19 : **Classes Of Memory**

Lesson 20 : **Sorting Networks Friday Minis 182**

Lesson 21 : **Machine Learning An Overview**

Lesson 22 : **Error Checking Handling The Hamming Code**

Lesson 23 : **Demystifying Number Systems**

Lesson 24 : **File Compressibility**

Lesson 25 : **Finite State Machines Friday Minis 168**

Lesson 26 : **Heuristics Friday Minis 169**

Lesson 27 : **Turing Machines Friday Minis 199 Strong Language**

Lesson 28 : **Quantum Computing Friday Minis 156**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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