Future Learn

Certificate of Achievement

Nguyen Vu Thanh Danh

has completed the following course:

FOUNDATIONS OF SOFTWARE TESTING AND VALIDATION
UNIVERSITY OF LEEDS, CLICK START AND INSTITUTE OF CODING

This online course explored the Software Development Life Cycle (SDLC) and how static code analysis tools are used to detect potential issues. Learners gained a solid foundation in the basics of software testing.

2 weeks, 3 hours per week

Sam Wilson

Dr Sam Wilson
School of Computing, University of Leeds
University of Leeds

UNIVERSITY OF LEEDS

CLICK START.

Institute of Coding

The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

This certificate represents proof of learning. It is not a formal qualification, degree, or part of a degree.

UNIVERSITY OF LEEDS

CLICK START.

Institute of Coding

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UNIVERSITY OF LEEDS, CLICK START AND INSTITUTE OF CODING

100%
OVERALL
SCORE

This online course explored the Software Development Life Cycle (SDLC) and how static code analysis tools are used to detect potential issues. Learners gained a solid foundation in the basics of software testing, including dynamic testing techniques and the critical methodologies that ensure software meets specified requirements.

STUDY REQUIREMENT
2 weeks, 3 hours per week

LEARNING OUTCOMES
• Describe the different types of software testing, and where they may be applied in the software development process.
• Design tests for a simple software program, analyse their effectiveness, and identify opportunities for improvement.
• Produce a testing plan using at least one technique and evaluate the advantages and disadvantages of this technique.
• Reflect on the experience of designing and executing test cases and discuss how software validation can improve the quality of a software system.

SYLLABUS
You'll delve into different types of software testing, acquiring the skills to apply industry standards and best practices. You'll learn to design robust test cases and adhere to industry standards, making you a valuable asset in the software development field.

• The Software Development Life Cycle
• Introduction to static code analysis tools
• Dynamic testing techniques
• Boundary Value Analysis (BVA)

• Software validation and quality assurance

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