Future Learn

Issued 11th April 2019. futurelearn.com/certificates/lysnou7

Certificate of Achievement

Matthias Giger

has completed the following course:

AN INTRODUCTION TO COMPUTER NETWORKING FOR TEACHERS
RASPBERRY PI FOUNDATION AND NATIONAL CENTRE FOR COMPUTING EDUCATION

This course developed your knowledge and understanding of computer networks.

3 weeks, 2 hours per week

Dr Sue Sentence
Chief Learning Officer
Raspberry Pi Foundation

Raspberry Pi

Teach Computing

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 learner has not verified their identity. The certificate and transcript do not imply the award of credit or the conferment of a qualification from Raspberry Pi Foundation and National Centre for Computing Education.

TRANSCRIPT

Raspberry Pi

Teach Computing

Matthias Giger

has completed the following course:

AN INTRODUCTION TO COMPUTER NETWORKING FOR TEACHERS

RASPBERRY PI FOUNDATION AND NATIONAL CENTRE FOR COMPUTING EDUCATION

This course explored the fundamentals of computer networking. You learned to describe the different types of computer networks and understood how data can be transmitted securely. You covered real world usage of networking technology to develop your understanding.

STUDY REQUIREMENT

3 weeks, 2 hours per week

LEARNING OUTCOMES

- Discuss types of network, advantages and disadvantages and general architecture
- Describe transmission of data (ethernet, wifi) and network protocols (http, ftp, etc)
- Explore how data can be transmitted securely
- Apply knowledge of real world usage of the networking technology
- Describe the internet including routing, DNS and the "world wide web"
- Explain how data is encapsulated in an IP packet and a data frame for transmission

SYLLABUS

- Networks and architecture
- Transmission of data and network protocols
- Secure transmission of data
- Internet including routing, DNS and the "World Wide Web"

Future Learn