



5 Courses

Mathematical Thinking in  
Computer Science

Combinatorics and  
Probability

Introduction to Graph  
Theory

Number Theory and  
Cryptography

Delivery Problem



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**Yuan Xu**

has successfully completed the online, non-credit Specialization

# Introduction to Discrete Mathematics for Computer Science

Discrete Math is needed to see mathematical structures in the object you work with, and understand their properties. This ability is important for software engineers, data scientists, security and financial analysts (it is not a coincidence that math puzzles are often used for interviews). We cover the basic notions and results (combinatorics, graphs, probability, number theory) that are universally needed.

Vladimir Podolskii  
Associate Professor  
Computer Science

Michael Levin  
Lecturer  
Computer Science

Alexander S. Kulikov  
Visiting Professor  
Department of  
Computer Science and  
Engineering

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