

## My specialty

I am a student of the Program Engineering Department of the Informatics and Control Faculty of the Kaluga Branch of Moscow State Technical University named after Bauman. To complete the Bachelor of Science degree we have to study four years.

The department program of early courses is not so different from other ones programs because everybody studies various base disciplines such as mathematic, physical education, initial high-level programming or English language.

But as time passes new specific educational subjects appear. One of the main of them is fundamental of software engineering. Here students learn how to work in a team and ways of project development organizing. These skills can be applied during summer training practices where everyone has to create some project usually working with somebody else.

One of the main key features of the department is wide range of various disciplines and areas. There are both high-level and low-level programming, operating systems including structure of computer and ways to set networks, web development consisting of server and client side, working with databases, mobile and cross-platform development, computer graphics, mathematical modeling, machine learning and much more. In this way, every student can try every subject a little and decide in which direction he would like to move in the future.

As a result of such a large number of programming fields students will deal with many programming languages. C++ is considered as a beginner one. Working with it, students will learn programming basics, common programming languages concepts, structure of compiler and how final program executes. Later such languages as C#, Python, Java, JavaScript, Kotlin, Assembler, PHP and even HTML, CSS, SQL.

## Turing

Alan Turing is a legendary figure in the world of computer science and artificial intelligence. He was a British mathematician, computer scientist, and cryptanalyst whose work was during World War II. Later, he was instrumental in the development of the first computers and the creation of the famous Turing test.

Turing's contributions to computer science are numerous and impressive. He is considered the father of theoretical computer science and artificial intelligence. In 1936, he introduced the concept of a universal machine that could compute any algorithm, which is now called the Turing machine. This concept became the foundation for the modern computer and has revolutionized the field of computer science.

In addition to his groundbreaking work in computing, Turing was also a pioneer in the field of artificial intelligence. His work on the Turing test laid the foundation for designing machines that are capable of exhibiting intelligent behavior. This test continues to be an important benchmark for evaluating the progress of artificial intelligence research. Turing's insights helped to open up a new field of inquiry, where computer scientists and philosophers explore the nature of consciousness, understanding, and rationality. Turing's legacy has continued to inspire generations of scientists and engineers, who seek to push the boundaries of what machines can achieve.

During World War II, Turing worked at Bletchley Park, a British code breaking center. There he and his team devised the first machines that could break the German Enigma code, which was critical to the success of the Allied forces. This work shortened the war by several years and saved countless lives.

Alan Turing was a trailblazer in computing, artificial intelligence and code breaking. His contributions to computer science have gone a long way in shaping the world we live in today.