

## **The Importance of English in the IT Engineering Profession**

The article reveals the significance of English language skills in the IT engineering profession. The necessity of learning this language for engineering students is highlighted, as well as the main advantages of language proficiency. It also emphasizes the impact of learning English on development of the personality of a future specialist. Moreover, the pluses of programming in English are considered.

Keywords: knowledge of language, programmer engineer, development of personality, English language, main features of learning English, programming.

The prevalence of English in the modern world is so high that knowledge of it is not a privilege or a luxury. Once computers, just like mobile phones, could only be afforded by people of a certain social class. Nowadays such things are necessities. The same can be said about English. It is learned by everyone and everywhere: at schools, universities, on courses. It remains the least common multiple for people who meet and work together in different corner of the globe.

Historically, the biggest engines of the technology industry are located in the USA. That is why factors such as communicating, working with software, and studying of sources and literature are closely related to the English proficiency. These are the keys that, definitely, pave the way for future career advancement. For this reason, English lessons at university provide new opportunities that are incredibly important for the personal growth of any student. In addition, the right selection of topics and the choice of appropriate methods allow for scientific and pedagogical, educational and general developmental impact on the personality [1].

Generally speaking, we can identified four main features of learning English:

- Broadening the future engineer's mind, in other words, language learning has a cognitive function for the student;
- Understanding of the development environment and interfaces;
- Increasing communication skills;
- Nurturing and formation the personal and professional qualities of a future specialist.

Now let us look at each point in more detail.

Consider the first item. Higher education provides a person not only with a narrow knowledge of their specialization, but allows them to be in progress comprehensively. Certainly, an integral part of this process of cognition is the study of the English. During training, the future engineer learns not only the

grammar and vocabulary, but also the history of its development, the culture and values of the people who speak the language. Students can get acquainted with the specifics of the educational process abroad and learn something new, important for themselves and for their career. We can say confidently that in the field of information technology, knowledge of the English language gives a huge resource for research. First of all, it is special terminology, mastering which will allow students to read original technical literature. It is important to note that currently no more than 10-15% of all useful books for programmers have been translated into Russian. It should be understood that English words are exceedingly polysemous. The simplest and most familiar vocabulary in technical English means something different. Sometimes this meaning can be guessed at by knowing general English, and sometimes it is impossible even to assume. Students of technical universities will have to face a very different side of the English language [3].

An important quality for a good programmer is the ability of autodidacticism. A knowledge of English helps to comprehend this previously inaccessible path. Of course, it includes attending international conferences, and obtaining a prestigious, and most experiential, education in foreign online courses.

Let us explore the second aspect. IT is a fast-moving industry where new devices, programmes and applications are constantly being created and released. The language of Shakespeare and Tolkien, apart from being metaphorical and diverse, is different for its brevity. If you do not know a word of English, you will have to rote the names of the methods because you will not know what they mean or why they are needed [2]. That is why English has become the language in which it is easiest to give commands to the computer. Sure, some programming languages allow you to write non-English commands. In order to afford such a substitution, to make more Russian methods, you have to additionally program and, accordingly, spend more time. Besides, it is unlikely to get rid of English completely.

The next there is the third aspect. Communication is one of the defining skills for successful social interaction, involving both professional and personal relationships. It is an essential personal quality in professions that include active contact with other people.

Statistics show that English is the first most widely spoken language in the world (as a native language) with 1.35 billion speakers [4, pp 405-407]. It is also one of the six official languages of the UN. The twenty-first century is called the century of globalization of the entire world, and this is justified by the fact that companies from different countries and fields are cooperating, including in the IT sphere.

An increasing number of multinational technology organizations are choosing English as their common corporate language – Apple, Amazon, Microsoft, Google, Intel, Cisco Systems, etc. – in an attempt to get their projects done in the minimum terms in order to maximize profits, they work with specialists who are fluent in the English. The process of cooperation with such people is much easier and quicker. Therefore, the knowledge of English is useful for additional synergy with foreign colleagues and communicating in international forums. The programmer should be able to solve conflicts arising in professional and social spheres independently and in a group in order to perform his or her duties effectively.

Now we can move on to the last one. Students need an understanding of their civic and professional duty to society, future colleagues and employers. It is the nurturing of such a specialist with moral, social and professional values that takes place in the process of teaching English. The convergence with another mentality, another lifestyle, another system of government builds the analysis and prognostication skills of future engineers. Familiarity with the life situation, interests and problems of peers are living abroad facilitates the process of moral orientation in present-day society.

In conclusion, knowledge of English is not just a point on your CV to differ you from your competitors, but a skill that can provide an interesting career, overseas business travel, invaluable professional and personal experience.

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