You wake up on a weekday morning and see an email notification on your phone. It lets you know that your Facebook email has been changed to an old Hotmail address you haven’t used in years. The next email in your inbox informs you that your Facebook password has been changed. You sit bolt upright in bed. “This can’t be right!” you try to log into Facebook, but your old password won’t work. Okay, don’t panic. This can be fixed. You find that one of the notification emails has a link to secure the account if this change was unauthorized. Relieved, you click it, ready to get your account back. But the whole page is in Turkish, incomprehensible. You can’t make heads or tails of it or find a way back into your account. I have one word for you: Cybersecurity.

The protection of computer systems and networks from information disclosure, theft, or damage to their hardware, software, or electronic data, as well as from the disruption or misdirection of the services they offer, is known as computer security, cybersecurity, or information technology security. There are three main components to cyber security: people, processes, and technology. That information would completely explain everything in connection to anything in security, such as a firewall, for example. To put it another way, a firewall is a type of technological equipment that can be either software or hardware. The people side of security includes the firewall's system administrator as well as any individual users at home.

You may be wondering why I chose to study cybersecurity. The reasons are simple. With its constantly expanding breadth, cybersecurity offers the best opportunity for professional development and educational prospects. Although security is a separate topic that we leaern, it is connected to all other IT skill sets. An excellent cybersecurity expert tries to comprehend as much as they can about how businesses and technologies operate. Second, the range of technology and circumstances that security professionals must deal with determines all the growth potential. It has a cybersecurity component if it uses ones and zeros (and certain roles even extend to physical security!). Finally, when you combine technology's development and diversity, you may start to see the various riddles that cybersecurity experts can solve. We rely on several tried-and-true concepts in cybersecurity, but the strategies can vary daily. Additionally, there is always a fresh problem to be completed.