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<div align="center">Fields Report</div>

There are many components to Computer Science, including many subtopics that could very well have their own paper written about them. Computer Science in general is the study of computer systems. This can including working with various software, networks, computer security, programming, and many other computational concepts. Computer Science acts as an umbrella term for many topics. Some of the major subtopics include Software development and Information Technology (often referred to as IT, for short.) A software engineer is someone who applies engineering methods towards the development of software that runs on computers This software can range from operating systems to many different types of applications. Generally a software engineer designs how software should work given the hardware restrictions and dataflow, and then create a concept. The majority of the coding is done by computer programmers, who fall under the Computer Science category. People who work in Information Technology, or "IT" deal with computing technology which ties less back into the actual structures of the systems, but more so how to operate them effectively. This can include networks, hardware, software, and even sometimes computer programming depending on the position. My interest within the broad topic of computer science is cyber security. Cyber security ties more closely with the information technology subtopic, as it is dealing with technology and how to keep data safe from being breached. This has peaked my interest because as a kid who loved video games, particularly competitive games, I would always find myself getting hit with Denial of Service (DDoS) attacks. It would completely ruin my mood and I always wanted to figure out how to protect myself from such attacks, or even trace the attacks so I can find out who did them. If you report such attacks to their Internet Service Provider, there is a chance

they have their internet cut off, due to it being an illegal act. My interest eventually became

relevant in the real world in cyber security concepts, which was just really convenient for me.