

Explain what your master consists in, and why you have decided to major in SeCReTS. Present your motivations, and your professional project (1 page).

Currently, I am in my last year of my master's degree in computer science with the major SeCReTS (Security of Contents, Networks, Telecommunications and Systems). My master consists in studying the security of information systems. In fact, with the emergence of the new technologies, new security issues were born. These new aspects are what I study this year. So, during this year, we learned the network security with all network aspects which could be dangerous. For example, in a local network Wifi, an attacker can steal the access point's identity and analyze all the traffic. Also, this master taught me the system security which represents the study of the security of systems configurations. In fact, human mistakes during installations of systems and networks are recurrent. So, I learned lots of manipulations on Linux and Windows to protect a system like firewalls, proxies, ...

Initially, I was being in my last year of high school when I decided to study for the SeCReTS Master. In fact, I was visiting the university when I attempted a presentation about this Master. That showed the study of cryptography during the first year and the study of cyber security during the second. At that time, I already knew few bases about the cryptography because my major was Mathematics and I had few lessons about this. About the IT Security, I didn't know yet but it sounded interesting. Thereafter, I enrolled in a bachelor's degree in computer science in order to join the SeCReTS Master. So, during this year, I was very happy to study in this Master. In fact, all courses were very interesting. Moreover, it was even more motivating for me because it was the last year of class and we will work for a corporation during our internship. Indeed, I found my internship early. And, I could focus my energy on courses dealing with the subject of my internship.

On my side, I have a professional project maybe too ambitious but if I succeed each step, I think I will be very pleased with my progress.

Firstly, I need to do my internship at Sopra Steria to Montreuil in the field of intrusion detection. During these six months, I will work in a SIEM team (Security Information and Event Management) where the purpose is making tools to improve the detection of IT threats. So, if my internship is interesting, I will choose to stay in Sopra Steria and maybe continue in the same team.

In the other hand, we learned about Forensics during this year, a domain available in a CERT (Computer Emergency Response Team) with an objective to find clues in post-incident and solve problems due to security issues. So, I would like to join a CERT Team at Sopra Steria because resolving this type of problems in IT security can be very instructive.

My last professional project can be very hard to fulfill. But, maybe, when I will got enough of experience, I would like to create my own services company and offer a SOC team and a CERT team. I am aware that it could be ambitious, especially my last step, but we need to look for the unknown to progress professionally.