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Interface CRS HR Director

Dear Madam, Sir,

I have just finished my MS in Networking and Telecommunication and I specialised in embedded devices such as Android softwares or Internet-of-Things devices related at the Aix-Marseille University - FR

During my Master, I was in internship-contract at STmicroelectronics as a supply chain and data integrity analyst. I developed 2 PC applications to automate reporting and enhance my co-workers' performance. As I worked on SAP ERP, I also wrote an SAP user guide to list for the future analyst all the main processes or atypical cases he could encounter.

While I have worked on Android projects, I have thoroughly enjoyed developing in Kotlin. Hence, I chose to start my career as Android Developer. I have already developed a few smartphone apps, a notepad, and a database of devices a user can interact with and add a device through QRcode or barcode scanning for inventory purpose.

As I have passed my A-Level with A's in Study of Structures and in Systems and Technology of the Industry, I then went into Preparatory course for Engineer school. I have followed vector calculus, dimensional analysis and multilinear algebra courses and problem-solving methods, which would be required skills for deploying machine-learning algorithm for example. My goal is to develop apps that could enhance one's life, by-passing the need of an accessory thanks to my app, such as using wireless earphones as hearing aids thanks to frequency settings through the smartphone app.

Meantime, I have been studying Web Development on my free time (HTML/CSS, JS, JQuery, Bootstrap, SQL, Php) in order to precisely understand front-end process. My willing is not to be an expert but to be aware of what happened behind a website. As I develop apps, I want them to be presented on a website, and to share my work and projects. So now I can manage that on my own. I will soon be able to present an app that helps a player to make decision for a boardgame (statistical information).

My best experience involving problem-solving and electronical observation is a Side Channel Attack on RSA cypher. While a microprocessor was running RSA, an electromagnetic probe was capturing the EM field. Then, using correlation power analysis method, I wrote a python script to crack the key.

This project was very challenging and I look forward to develop in Python again.

I would love the chance to further discuss the position and what skills I would bring to the job. Thank you for considering my application.

Best regards,

Samuel Cases