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**Describes the most relevant learnings from programming-related subjects.**

In 2022, I did a subject called Algorithm and Data Structure, where we learned to program in Python. We worked with different problem-solving cases that required logical thinking, arithmetic operations, matrices, and different files.

The following year, I studied Programming Paradigms and learned about four paradigms: object-oriented, functional, logic, and imperative programming.

During my third year, I took several subjects focused on programming. The first was Software Development, as the final project I developed a backend with Express and frontend with React. The objective of the assignment was to train as a junior full-stack programmer. At the same time, I learned about Cybersecurity and the importance of cyber attacks.

The second subject was Database, where I gained experience in relational database management and advanced SQL queries.

And finally, I took the subject Backend Applications. My partner and I develop the backend for a car rental system in JAVA. I learned about Sping Boot, APIs, HTTP verbs, tokens (JWT), backend security, microservices and applied design patterns. In my opinion, it was the most challenging class and where I learned the most of programming.

**Describe a situation you had to resolve with a teammate from a study or work group.**

Last year, I challenged myself to develop a system that adds value to society. With my team, I worked on a system for INTA and sheep farming.

The whole process was really hard because my partner and I had little experience in system deployment. I remember in the beginning one problem was the lack of internet access in the field, so we need one part of the system (a mobile application) to work offline. At the moment to create a database en el cellphone, the data wasn't saving properly on the device. This problem delayed us for a long time, so I decided to make a meeting in the university with the team and found the solution. After a long time reading documentation about the libraries and exchanging ideas, we finally found the solution. I remember the moment, just a few minutes before a class, when we made it work—we were so happy! The problem was a misconfiguration in our use of the Expo SQLite library.

**Describe your personal learning plans or development expectations in technical areas.**

My personal learning plan includes gaining experience in the professional world and immersing myself in the software development field. I know I enjoy creating and building solutions, and I want a job that challenges me every day so I can stay motivated and engaged.

The idea of working in cybersecurity is particularly fascinating to me. It is a vast field with many opportunities, especially as the digital world continues to expand and security threats become more complex. Working in this area would never be boring, as new challenges constantly arise, making it an exciting and dynamic career choice.