

Hello! My name is Jorge Enrique Sánchez Encinas and I'm truly excited to present some of the experiences that I have lived during the recent years. First, allow me to provide a more detailed introduction. I'm currently 17 years old, and since I was a little kid, I have been passionate about robotics and the field of engineering. My insatiable curiosity has afforded me significant learning opportunities, which I've also shared with others. On the other hand, I am a true believer that the world can always be a better place, that's why I'm also highly involved in high-impact social and environmental activities as a volunteer. Having stated all the above, I'm glad to present my most important activities and my future plans.

-Robotics: My first approach to a real engineering experience was when I found out my local 'First Robotics Competition' team #7102 Daedalus. In which, I am the programming leader and the robot driver. Last season (2023), we managed to get up to finals on Puebla regional, almost getting the World Championship pass. Compared to our last season, this year (2024) we were the Hermosillo regional winner within the autonomous award (which congratulated my personal work area, programming). It was the victory in Hermosillo the one that gave us the chance to go all the way to Houston and compete against 600 different robotics teams. In total, I have participated in 7 official robotics events, one of them worldwide. Thanks to our incredible participation, we have appeared in more than 6 different newspaper news, being myself presently quoted on one of them.

Regarding the competition factor, I have current personal robotics projects on development such as this robotic arm prototype with automation purposes. This project is intended to be fully controlled by a complete vision system (cameras) and AI.

-TECHO: This international organization is a key part of myself and my social volunteering experience. I've engaged in over four activities, including two national fundraising

campaigns to support those without housing. I have also participated in a whole construction on the community Sergio Barrios with the leader role (position which involved a huge responsibility and leadership values to delegate work and finish the whole construction in less than 2 days).

-GPA: I consider school is fundamental, and that's why I take it very seriously, up to the point of being in the top 10 best average grades on my whole program (Bicultural) generation. I was honored to receive an invitation to the Tec de Monterrey academic gala, an event exclusively for the most outstanding students. This is a true reflection of my academic effort and my passion for learning new things.

-MUN: In the Model United Nations, I developed myself as the Ukraine delegate on the UN-Women committee. This experience profoundly demonstrated the potential for effecting change, even within the confines of a simulation. During this event, I had such an outstanding role that I even got the Honorific mention for one of the most important actuators to achieve a perfect resolution. This year, I decided to participate again but this time as part of the general assembly chair.

-Speech presentation: On my 3rd semester, I was honored to have been selected within my class to deliver a speech titled "The Artificial Intelligence: A Tool with the Power of Change" being this part of my engineering passion and my main purpose on encouraging people to take advantage of the mentioned power tool.

-Drums presentation: During my first semester, I was able to learn how to play the drums and feel an artistic and musical side of myself. As part of the experience, at the end of that semester, I presented the song 'Living on a Prayer' at a cultural exhibition. I am happy to state that up to the date, I still have the habit and discipline of playing the drums as a hobby.

As a conclusion, I consider myself a person who is always looking forward on doing new things and at the end of the day, make at least a small change on the world for good. That's why I am currently in the process of involving myself in a local group which does impact worthy activities, such as hospital visits and fundraising initiatives to support children suffering from cancer.

Thank you so much for reading and best regards, Jorge Sánchez.