

**Internship in e-Drive, Charging & Energy Systems department at group SEAT S.A.
(SEAT & CUPRA) in Martorell (Barcelona), Spain**



Seat S.A. is the only company that designs, develops, manufactures, and distributes cars in Spain. The multinational company, based in Martorell (Barcelona), is part of the Volkswagen Group and distributes vehicles of the CUPRA and SEAT brands. The company employs more than 15.000 people and has three production centers: Barcelona, El Prat de Llobregat and Martorell.

Your tasks:

- Extension of an eDrive simulation with focus on interactions between motor, inverter, and battery
- Simulation of driving performance, cycle evaluation, service life and thermal operating strategy
- Helping in the improvement / implementation of new functionalities in the environment, such as cooling system, consumers, and brakes
- Data analysis of several test drives to enhance our AI-tool
- Development of new functionalities based on AI
- Taking on independent activities from the day-to-day business of e-drive development

Your qualifications:

- Enrolled in an engineering degree program, preferably mechatronics, automotive engineering, or electrical engineering (bachelor's or master's degree)
- Experience using Matlab/Simulink
- Previous programming skills
- Passion for automobiles/electromobility
- Experience with Machine learning, AI and Big data analysis
- Independent and structured way of working
- Fluency in English, as well as intermediate-level proficiency in Spanish, is desirable
- Best, if you bring 6 months of time

What we offer you:

- Option to write a student research project/final thesis afterwards, if the university supports this
- Free meals and free bus transport from Barcelona and major cities around to Martorell
- Full-time (8:00 h to 16:35 h, 35 min break), partially home office is possible
- An exciting field of activity as well as an innovative and friendly team

Have we sparked your interest? Then send us your application to:

carlos.lopez3@seat.es / kai.dannehl@seat.es