

# Practice makes IT perfect!

**Internship Catalog  
Porsche Engineering Romania**



**Porsche Engineering**

An aerial photograph of a blue sports car parked in a cobblestone lot, viewed through a network of thick, intersecting red lines that create a geometric pattern across the image. The car is positioned diagonally in the lower half of the frame.

# Table of Contents

01

Our story

02 - 08

Internship opportunities

09

How to apply



A blue-tinted photograph of a road with a car and a wireframe overlay. The wireframe is a 3D grid that covers the road and the car, suggesting a digital or engineering theme. The car is a dark-colored sedan, and the road has white lane markings. In the background, there are road signs and a building.

# Our Story

## **100 % Subsidiary**

Porsche Engineering Romania SRL, headquartered in Cluj-Napoca, is a wholly owned subsidiary of Porsche Engineering Group GmbH and therefore firmly integrated in the global network of Porsche Engineering, with locations in Weissach, Bietigheim-Bissingen, Wolfsburg, Leipzig (all Germany), Prague, Ostrava (both Czech Republic), Shanghai (China), Cluj-Napoca and Timișoara (both Romania) and Nardò (Italy).

Porsche Engineering is a wholly owned subsidiary of the sports car manufacturer Porsche AG in Stuttgart (Germany). Therefore, the work of engineers in Cluj and Timișoara results into improvements and innovations incorporated in the Porsche sports cars, sold all over the world.

Code: **ML01**

# MACHINE LEARNING

**Develop a model that learns from various signals from the car.**

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Available Positions: **1**

Practice Target: **200 h**

You'll have the opportunity to participate in a [Machine Learning project](#). Work with professionals to develop a model (Neural Network) that learns from various signals on the car, such as GPS, accelerometers, and gyroscopes to predict the location of the car as accurately as possible.

## Technical skill you bring

Python, OOP and Machine Learning is a plus.

## Bonus opportunity

Integrate what you've learned into your Diploma Thesis.





## Internship Opportunities

Code: **ML02**

# MACHINE LEARNING

## Implement an assisted cruised control model.

Available Positions: 1  
Practice Target: 200 h

Be a part of a team that implements an ACC (Assisted Cruised Control) model (Neural Network) that is trained using reinforcement learning methodology, and can react comfortably in traffic.

### Technical skill you bring:

Python, OOP and Machine Learning is a plus.

### Bonus opportunity

Integrate what you've learned into your Diploma Thesis.



Code: **ML03**

## **MACHINE LEARNING**

**Implement a model to detect different traffic events.**

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Available Positions: **1**

Practice Target: **200 h**

Work with a professional team to implement a model (Neural Network) to detect various traffic events using sensors in the car.

### **Technical skill you bring**

Python, OOP and Machine Learning is a plus.

### **Bonus opportunity**

Integrate what you've learned into your Diploma Thesis.



Code: **ML04**

# MACHINE LEARNING

**Implement a model that predicts  
when to change lanes.**

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Available Positions: **1**  
Practice Target: **200 h**

Work with a professional team to implement a model (Neural Network) that predicts when to change lanes. (when it is safe to do so and when it is not)

### Technical skill you bring

Python, OOP and Machine Learning is a plus

### Bonus opportunity

Integrate what you've learned into your Diploma Thesis.



Code: D01

# DIGITALIZATION

Develop and implement a timekeeping system. (Back-End)

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Available Positions: 2

Practice Target: 200 h

This is an excellent opportunity to bring your own ideas and put them into action in the development of a timekeeping system. (incl. admin panel).

## Technical skill you bring

Spring, Java8, Oracle





Code: D02

## DIGITALIZATION

Develop and implement a timekeeping system. (Front-End)

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Available Positions: 2

Practice Target: 200 h

This is an excellent opportunity to bring your own ideas and put them into action in the development of a timekeeping system. (incl. admin panel).

### Technical skill you bring:

JavaScript, React and  
Angular



Code: D03

# DIGITALIZATION

Develop and implement a timekeeping system. (DevOps)

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Available Positions: 1

Practice Target: 200 h

This is an excellent opportunity to bring your own ideas and put them into action in the development of a timekeeping system. (incl. admin panel).

## Technical skill you bring:

Microsoft Azure (DevOps),  
Jenkins, Docker, Linux.





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# How to Apply?

## **Send us an e-mail.**

Send us the code that appears above the internship opportunity for which you want to apply along with your CV to:

**[jobs@porsche-engineering.ro](mailto:jobs@porsche-engineering.ro)**

Done. Our HR department will get in touch with you!

## **Are you up for a little challenge?**

In your email, tell us in one sentence which Porsche model you prefer and why.

## **Deadline**

17.06.2022

**Porsche Engineering**

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