

BEV Range Internship

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Company: Toyota Motor Europe

Location: Zaventem

Category: computer-and-mathematical

Your team and your responsibilities

Team/division description

As part of TME R&D organization, the Powertrain Division is responsible for local development of powertrains for vehicles built in one of the TME production plants, and for planning and research of new European technologies. Latest focus points include electrification, big data and connectivity.

Our team, PT Connected, leverages deep system knowledge combined with extended market data collection to prototype future services in vehicle multimedia and/or smartphone application related to routing.

Your project

Range anxiety is an important concern for BEV users. TME R&D gives a high priority in making BEV user experience exceeding customer expectations. To contribute to this goal, you will:

Learn about BEV system energy flow & breakdown.

Develop & improve modules to: Compute & display range breakdown. Compute & display range recommendation.

Test your modules in a demo vehicle using a prototyping framework.

Want to know more about how it is to work at Toyota? Check-out Or

Your Profile

You are fluent in English (TME's business language)

Master of Science or equivalent student (ideally data science/ machine learning/ automotive).

You have a European EEA citizenship. (not requiring a visa to work in Belgium).

You must be a student for the entire duration of the internship.

Knowledge in computer science, big data, machine learning.

Basic knowledge of vehicle & electric powetrain system.

Excellent knowledge of Python & Git (Dash Plotly is a plus)

Able to summarize and explain complex technical information in a clear and visual way.

Teammaker, great ability to collaborate

Basic skills with Office suite is a must.

Place of employment

Belgium - Brussels (Zaventem): Toyota Motor Europe, Technical Centre

Starting date

April 2024

Duration

6 months

Confidentiality

Due to business requirement, not all performed projects can be reflected in the internship report. This issue needs to be discussed with candidate/school in advance.

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