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MASTER THESIS AT FEV CONSULTING

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Any Questions?

We will be glad to answer them.

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Pls apply via our career website portal

FEV Consulting – Best of Two Worlds

FEV Consulting provides unique, client-oriented advisory services through the combination of years of experience in top management consulting and the technical expertise of the FEV Group. Our deep knowledge, of the automotive and aviation industries in particular, enables us to find innovative solutions for the complex challenges faced by our clients.

Become part of our team!

We are looking for a Master student (m/f/d) for the topic:

ML-based model development for large-scale optimization problems within vehicle powertrains strategies

Automotive powertrains show a continuous trend towards higher complexity, mainly due to fuel economy legislation and electrification. Strategies for vehicle powertrain configurations constitute a problem of high complexity due to the large scale of available solutions. Currently, the analysis of possible technology strategies is conducted as an explicit combinatorial calculation problem. Within this thesis, the potential of a ML-based algorithm in this field shall be examined. Further, a ML-based model shall be developed that can analyze the calculation problem using a cloud-computing platform.

Your profile

- Strong analytical and conceptual skills
- Ideally first experience with machine learning, relevant programming skills and with the Microsoft Azure environment
- High motivation, commitment and engagement
- Pronounced creativity, team spirit and communication skills
- Study field: Mathematics, Computer Science, Information Technology or similar
- Excellent German and English language proficiency

We offer

Design the mobility of tomorrow together with our customers. We offer you an exciting working environment, direct customer contact, an extensive network of expertise, intensive support and personal further development supported by your personal mentor.