

## AI/ML Student Internship: Improve Imbalance Price Prediction Models for our Energy Management System (EMS)

Are you passionate about Artificial Intelligence (AI), Machine Learning (ML) and the energy transition? Then this internship is for you!

Emmett Green is seeking an AI/ML student to join our Energy Management System (EMS) team. As a scale-up company, our mission is to solve grid congestion and accelerate the energy transition. The EMS monitors and controls sustainable energy flow using sensors, a large database and optimization algorithms.

### Responsibilities

As an intern in our EMS team, you will play a key role in this transformative project by improving our existing model for predicting imbalance prices in the energy market. Your primary responsibilities will include:

- Analyzing factors affecting imbalance prices in the energy market, building on our existing statistical model.
- Researching and implementing ML/AI methods to improve imbalance price predictions.
- Collaborating closely with the EMS team to integrate your improved prediction model into our production systems.

While the primary focus of the internship will be on the tasks outlined in the job description, we are always open to discussing proposals for your own research projects in this area.

### Your profile

- Enrolled in an AI/ML/Statistics degree program (BSc, MSc)
- Strong foundation in statistics, probability, and mathematical modelling
- Proficiency with frameworks like TensorFlow, Keras, PyTorch, or scikit-learn for implementing machine learning models.

The ideal candidate has a passion for solving grid congestion and accelerating the energy transition.

### What we offer

Emmett Green offers a collaborative and innovative work environment. You'll be located at our Delft office in Vakwerkhuis with a hybrid work style (some days at the office, some at home). The internship will have a minimum duration of 5 months (start date and duration of internship to be discussed), and we offer a compensation of €500 gross per month.

Emmett Green internships provide coaching and guidance throughout the program. Each intern is assigned a personal supervisor, and you will be fully integrated into our multidisciplinary team. The work environment is dynamic, and interns are encouraged to seek assistance from team members. As an intern, you will work specifically within our EMS team, collaborating closely with experts in the field.

If you are passionate about sustainable technology and eager to contribute to shaping the future of energy management, we invite you to join our dynamic team. At Emmett Green, you will have the opportunity to develop your skills, work on meaningful projects, and make a real impact in an innovative and supportive environment. We look forward to your fresh ideas and enthusiasm to accelerate the energy transition with us. Apply now and take the first step in your career at a company that believes in nurturing talent and realizing a more sustainable world! **Interested?** Please send your motivation letter and resume to Michiel Wildschut: [wildschut@emmettgreen.nl](mailto:wildschut@emmettgreen.nl)