

Internship/Master Thesis (m/f/d): Machine Learning and Computer Vision

At ABB, we are dedicated to addressing global challenges. Our core values: care, courage, curiosity, and collaboration - combined with a focus on diversity, inclusion, and equal opportunities - are key drivers in our aim to empower everyone to create sustainable solutions.

That's our story. Make it your story.

Your role and responsibilities

Looking for a taste of working life in an international, future-focused corporate group? Then join us as an intern (m/f/d) and familiarise yourself with a suitable department for 3 to 6 months. You will be involved in large-scale projects and perform a defined set of duties independently. Use your internship to build a network and become familiar with our company.

The following tasks and responsibilities will be part of your role:

- Develop algorithms for classifying or imputing missing information in datasets.
- Support with the selection and evaluation of ML pipelines that are most suitable for class imputation based on weakly supervised labeling.
- Apply machine learning techniques (training, fine-tuning of supervised ANNs and open-world models) for line segment analysis in various types of images.
- Evaluation of different techniques for finding paths in 2D line segment data.

Qualifications for the role

You are currently studying Computer Science, Mathematics, Physics or related fields with a focus on Machine Learning and computer vision.

You have excellent programming skills in python for ML:

- ML frameworks: Torch, Tensorflow, Keras
- Scientific libraries: scikit-learn, scipy, transformers, numpy
- Visualization libraries: matplotlib, plotly, seaborn.

You are fluent in English; knowledge of German or Spanish is a plus.

You are self-organized, proactive, critical and willing to learn.

More about us

We value people from different backgrounds. Could this be your story? Apply today or visit www.abb.com to read more about us and learn about the impact of our solutions across the globe. #MyABBStory

We believe in fairness, so interns who join us will benefit from our expertise as they expand their own knowledge. Your time is valuable, so you will receive appropriate remuneration for the duration of the internship. Please state whether you are applying for a voluntary internship or undertaking a mandatory internship, and be sure to enclose your certificate of enrolment. In the case of mandatory internships, please include the corresponding extract from your university's internship guidelines.

Interested? Then we look forward to receiving your informative application (cover letter, CV, certificate of enrolment, current transcript of grades and other supporting documents) through our online careers tool.

Location	Mannheim,Baden-Wurttemberg,Germany
Division	BA Function Technology
Publication Start Date	26.03.2025
Job Function	Research & Development
Publication ID	DE96123536_E1