

Join our team!



Job title	6-Month Internship - AI for Image Enhancement of Wind Turbine Blades
Location	Oetwil am See (hybrid)
Workload	Full-time (42 hours per week)

About us

Founded in 2016 by Tom Sulzer and Christof Schmid, Zurich-based Sulzer Schmid is at the forefront of innovation in the energy service sector. Recognizing the potential for unmanned aerial vehicle (UAV) technology to redefine industrial grade inspections, the two entrepreneurs have developed an end-to-end technology platform that produces high-quality rotor blade inspection results with ease - precisely, repeatably, efficiently. The 3DX™ Blade Platform was deployed for Sulzer Schmid's first fully autonomous UAV flight in 2018. To date, we have inspected wind turbines in more than 40 countries worldwide using our 3DX™ technology and each inspection is underpinned by our commitment to the highest quality, efficiency, safety and groundbreaking use of technology.

Your Mission

As an intern, your main task will be to optimize existing images of wind turbine blades. The biggest challenge is dealing with uneven lighting conditions – bright and dark sides of the blades caused by sunlight – which complicate damage analysis. Using AI techniques, you will work on improving image exposure and consistency to enable our blade experts to detect defects more reliably. Additionally, a secondary task will involve removing drone rotor blades from images to avoid interference with the analysis.

Technology Stack

You will work with cutting-edge AI tools on Microsoft Azure, primarily using Python, automated pipelines, and related cloud services.

What We Expect

- Current enrolled in a Master's program in Machine Learning, Robotics, Computer Vision, or a related field
- Strong programming skills in Python
- Interest or experience in image processing and AI-based image enhancement
- Willingness to work with Microsoft Azure cloud services
- Proactive, solution-oriented mindset and ability to work collaboratively

What You Will Gain

- Hands-on experience in applying AI to real-world industrial challenges
- Deep insight to cloud-native AI development on Azure
- Opportunity to contribute directly to the advancement of renewable energy technology
- Flexible work arrangement with up to 60% remote work

Diversity at Sulzer & Schmid Laboratories AG

At Sulzer & Schmid Laboratories AG, we value and embrace diversity, recognizing it as a key driver of our success and a cornerstone of an inclusive workplace. We actively welcome applicants with a wide range of backgrounds, perspectives, and experiences, and we are committed to building diverse teams that are equipped to solve complex challenges and deliver impactful solutions to our clients. Our inclusive culture is shaped by a broad spectrum of attributes, including – but not limited to – ethnicity, culture, gender, nationality, age, sexual orientation, disability, marital and parental status, education, socioeconomic background, and life experience.

Apply now!

Please send your CV, including your preferred internship period and duration, to our People & Culture Team:

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