

ML & programming internship – Bearmind SA

Location: Chemin du Closel 5, 1020 Renens, Switzerland

Terms: 4-6 months

About us: Founded in 2021, Bearmind SA is a Swiss startup developing wearable devices to monitor head impacts and estimate the risks of brain injuries live during sporting events. Our solution, embedded inside helmets, aim to help medical staff with their diagnosis. At Bearmind, we focus all our efforts on reducing the long-lasting effects of concussions to increase athletes' careers, reduce health costs for sporting bodies, and improve quality of life.

Overview: The objective is to optimize performance of a speech-to-text tool used in cognitive tests performed by professional ice hockey players. We are looking for a student with a background in programming, machine learning and audio processing. As part of the internship, the student will be working on an existing speech-to-text module which is part of a data analysis pipeline, but also on how it is interacting and integrated into the pipeline as a whole.

Duties:

- Improve the performance of an existing Automatic Speech Recognition (ASR) system
- Quantify the confidence we can have in an automatic transcription (which allows is to only review transcripts with low confidence-levels manually)
- For the manual verification, create tools that improve efficiency

Qualifications:

- Programming (Python)
- Machine/Deep Learning concepts
- Be able to apply them to audio processing
- Professional, precise communication skills
- Ongoing MSc degree in Computer Science or relevant field
- Fluency in English and/or French is recommended. German is a plus.

When applying, please be sure to include a cover letter. We thank all applicants for their interest in this opportunity, however only qualified candidates selected for an interview will be contacted.