WE FOSTER MANUAL CREATIONS

Our mission is to help millions of people to get away from unfulfilling screen time and instead to have fun and satisfaction by creating something tangible with their hands - starting with knitting we intend to expand to all types of manual creations. Our smartphone app uses the camera and very latest AI technology to track the progress of handcrafters and therefore to be able to give on time instructions - just like a navigation system in the car.

YOUR RESPONSIBILITY

We have a prototype which already recognizes manual activities using video stream, AI recognition and algorithms. But much more needs to be investigated:
- How can the ML model be trained most efficiently and effectively for more activities?
- How can performance of the model be increased for regular use on the smartphone?
- How can error feedback automatically be gathered to increase the robustness of the ML model?
- How should a UI/UX be constructed so that handcrafters can follow an instruction?
- How can existing instructions automatically be translated into our system?

YOUR PROFILE

- Strong interest in machine learning and some basic knowledge (e.g. in Python)
- First experience with app development (e.g. Swift / React Native) is a plus
- Excellent communication and organizational skills
- Motivated and hands-on mentality

WHY JOIN US?

- Work on a topic that matters! Contribute to a future where we all get the help we need, when we need it during our manual pleasure and DIY activities
- Become part of an inclusive, non-hierarchical team
- Work alongside like-minded people and benefit from extensive coaching
- Innovative technologies on a modern tech stack (AWS, React, …)
- Flexible working hours and conditions tailored to your possibilities

The project will be supervised by the TUM Entrepreneurship Research Institute, Professorship "Entrepreneurial Behavior", Prof. Breugst. Besides the project work, you will take lectures like: "Entrepreneurship" and "Technology and Innovation Management: Introduction"

Sounds exciting? Shoot us an email with your CV or LinkedIn to Robert: ROHLFS@KnitNavi.com / Robert Rohlf / www.KnitNavi.com