



MAPSTAR
EXPAND YOUR WORLD



Computer Vision Expert (m/f/u)

Karlsruhe, Germany

This is Mapstar:

Our mission is for people to see the world as a place they can edit, build and play with. With Augmented and Virtual Reality, you can layer the real world with digital content anywhere. We are looking for motivated teammates. Support us as Computer Vision Expert to create a new world.

Your Job:

You like to develop the next level of computer vision technologies for mobile AR/VR apps? Then Mapstar is the right place for you to create the world of tomorrow.

- You can take the lead in cutting edge CV/GV algorithms and processing pipelines that empower Mapstar AR/VR apps and AR cloud in a young, agile and passionate development team
- Reconstruct the world in 3D and visualize it for users to give them superpowers to create and share incredible AR/VR experiences
- Design and implement CV/GV processing pipelines
- Responsible for the coordination and integration of SFM and 3D reconstruction into our mobile applications and backend services
- Point Cloud visualization, mesh generation, texturing and saving into streamable file formats

Your Know-how:

- Here you can bring in all your strengths and create something new every day! For this we are looking for independent team players who take responsibility, think outside the box and for whom no challenge seems impossible.
- Experience in image processing, SFM, SLAM, photogrammetry and 3D reconstruction methods
- Experience in OpenCV, OpenGV, AliceVision, Open3D or other CV/GV libraries
- Experience in using APIs and deploying algorithms in the cloud
- Knowledge of different file formats for 3D data, e.g. PLY, OBJ, FBX, GLTF2/GLB, USD, Alembic etc. is a plus
- Experience with GIT, C/C++/C#, Python, shell-scripting
- M.Sc. In Computer Science or Computer Vision

Your Benefits:

- Become part of a team full of energy and the spirit to break existing rules and make really new things possible
- Bring in your ideas and abilities, take responsibility early and grow together with us. We have big goals
- Flexible workplace - adapted to your needs
- Flexible organization of your working hours
- Regular team events
- Exciting environment in a fast-growing startup
- Lots of creative freedom
- Direct and open feedback to learn quickly and develop yourself

Join us now!

team@mapstar.io