



## Software Engineer – 3D Graphics (m/f/x)

📍 Garmisch-Partenkirchen or remote

🕒 Full-time

At AVES Reality we pursue the vision to create a virtual copy of the earth. We are building a technology to deliver highly immersive, interactive 3D world environments at real-time. Currently we are demonstrating the benefits of our solution in collaborative projects with autonomous driving companies. We are an investor-backed team of experts with diverse backgrounds in robotics, AI, systems engineering and automotive technology management. Jump on board our early-stage startup and let's build great stuff together!

### Your role and tasks:

*You will design, implement, and extend our procedural 3D content pipeline to push the status-quo in virtual world generation*

- Process and fuse several data sources to expand the core of our procedural content creation system
- Program and architect 3D content generation techniques to create photo-realistic and feature-rich virtual worlds and synthetic environments
- Tune and optimize our pipeline for real-time applications and integrations in industry leading game engines

### What you need to succeed:

*You are passionate about 3D modelling, geometry generation, and data visualization*

- Experience in computer graphics, real-time rendering, or engine architectures
- Solid knowledge in C++ and Python with an understanding of geometric algorithms, material shaders, and game engine basics
- Interest in autonomous driving, sensor perception, or geospatial AI is a plus
- Mindset and willingness to learn and improve every day. Eager to find creative solutions. Ability to work in agile processes within fast-paced environments

### Why it is cool to work with us:

- Startup culture where your work matters and your ideas shape our company
- Employee stock options with participation in our common successes
- Office in the mountains with joint outdoor adventures and work-life balancing
- Possibility to work remotely with regular on-site gatherings on company cost

### Interested? Get in touch!

Contact: [careers@avesreality.com](mailto:careers@avesreality.com)

Visit our website: [www.avesreality.com](http://www.avesreality.com)

Not quite your topic? Get in touch anyway and we'll explore other potential options together!