

We are a worldwide leading provider of laser beam projection displays that enable tech giants worldwide to unlock their next Augmented Reality revolution.

To successfully continue our growth ambitions, we are looking for a

Embedded Software Engineer (full-time) (f/m/d)

Within our growing team of experts, you will be responsible for the development and optimization of software to drive laser beam scanner systems. The responsibilities also include the creation of a video pipeline on modern host systems utilizing GPU acceleration. You will take part in developing and improving the system architecture of current and future laser beam scanner systems. Working in a collaborative and dynamic environment, you will leverage your expertise to design, implement, and optimize software that powers our state-of-the-art laser scanning solutions.

Your responsibilities:

- Design and develop embedded software for controlling and driving laser beam scanning systems in C++;
- Develop algorithms to optimize image quality;
- Collaborate with experts from various fields and teams to integrate software components into our laser scanning products;
- Create and optimize video processing pipelines on host systems in *i.e.* OpenGL, leveraging GPU acceleration for enhanced performance;
- Debug, test, and maintain software to ensure reliable and robust delivery;
- Identify and address software-related issues and provide solutions in a timely manner;
- Support the development of clear documentation for the software components developed; and
- Provide support and maintenance for the CI/CD pipeline.

Your qualifications:

- Master's degree in computer science, Information Technology, or a related field;
- Minimum of 4 years of experience in embedded software development;
- Strong proficiency in C++ programming for embedded systems;
- Solid knowledge Linux;
- Knowledge of Android, GPU programming is a plus;
- Knowledge of image processing, or machine learning is an asset;
- Familiarity with multi-platform applications. OpenGL for video processing is a plus;
- Strong problem-solving and debugging skills;
- Excellent communication and teamwork abilities;
- Proven ability to work in a fast-paced, innovative environment; and
- Good knowledge of spoken and written English.

Your benefits:

- Be part of a young, ambitious, and international team with a flat hierarchy structure, with great team spirit and creativity;
- Work in a startup-like culture, with room to develop new ideas for innovation;
- Drive intensive co-operation with international and reputable electronics companies, working on exciting projects;
- Enjoy excellent development opportunities, continuously develop skills according to individual strengths and benefit from our proven mix of on-the-job training and external educational opportunities;

- We care about our country's climate – take advantage of a Job ticket as well as the opportunity to buy a bicycle through the Job Rad program;
- Keep fit with our gym membership;
- Participate in our regular company and team events;
- We have a great company location – headquarters in the center of Vienna (1040);
- We offer a competitive salary, dependent on qualifications and skills;
- Flexible working hours and possibility for home office.

We invite you to join TriLite for a unique learning and working experience, with great potential for growth in an innovative environment.

Applicants must have work permission for Austria/EU.

Please email your CV to hr@trilite-tech.com, with reference to the job title.

No cover letter required. We are looking forward to receiving your application.