



World's  
Smallest  
Projection  
Display

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

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

## **Senior 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. Take part in developing and improving the system architecture of current and future laser beam scanner systems. You will work in a collaborative and dynamic environment, applying 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 high-performance algorithms to optimize image quality, ensuring precise and efficient operation.
- Collaborate with cross-functional teams to integrate software components into our laser scanning products.
- Create and optimize video processing pipelines on host systems *i.e.* OpenGL, leveraging GPU acceleration for enhanced performance.
- Debug, test, and maintain software to ensure reliable and robust operation.
- Identify and address software-related issues and provide solutions in a timely manner.
- Contribute to the documentation and training materials for the software components developed.

### **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/C++ programming for embedded systems.
- Solid knowledge of GPU programming, Linux, Android.
- Familiarity with multi-platform applications iOS. 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.
- 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 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.

**Headquarter Vienna**  
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- 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](mailto:hr@trilite-tech.com), with reference to the job title.

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

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