



As a startup, 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 support our R&D activities, we are looking for a motivated Master's student for our Vienna office, with immediate effect.

MASTER'S THESIS PERCEPTUAL STUDIES FOR AUGMENTED REALITY (full-time)
(f/m/d)

Your responsibilities:

- Write Master's thesis ("Masterarbeit", "Diplomarbeit", or equivalent) on perceptual studies of Augmented Reality laser beam scanning systems
- Literature research on different perceptual topics of display systems
- Definition of key metrics and methods for a systematic and scientific analysis of perceptual parameters
- Development and/or adaptation of driving electronics for different micro-electro-mechanical (MEMS) mirrors
- Improvement of system performance using optimized pixel painting methods
- Systematic benchmarking and comparison of different scanning methods in terms of relevant key metrics

Your qualifications:

- Enthusiastic about complex Augmented Reality products
- Master's student in the field of electrical engineering, photonics, optical engineering, microsystems technology, physics, optoelectronics or similar
- Experience with at least one of the following programming languages: Python or MATLAB
- Electronics development (e.g., circuit design) is a plus
- Experience with optomechanical lab work is a plus
- Experience with semiconductor laser and/or MEMS technologies is a plus
- Knowledge of spoken and written English (International applicants: Knowledge of the German language is a plus)

Your benefits:

- Being at the forefront of a field that has the potential to change the way we consume information forever
- Working in an exciting R&D area in a dynamic deep tech company
- Flat hierarchies within a young & motivated team
- Space for your creativity
- Flexible working hours (full-time)
- Location in the city center of Vienna, close TU Wien

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!

TriLite Technologies GmbH
Frankenberggasse 13/16, 1040 Vienna, Austria
Email: hr@trilite-tech.com
Web: www.trilite-tech.com