

Student Assistant (m/f/d) for Optical Systems and Data Evaluation in Micromanufacturing

About Us

Our company is a rapidly expanding high-tech startup that specializes in producing optical microsystems created through 3D printing. Our products have a wide range of applications, including optical communications technology, manufacturing control, and free-beam transmission. We work with international corporations in the field of communications technology and micromanufacturing.

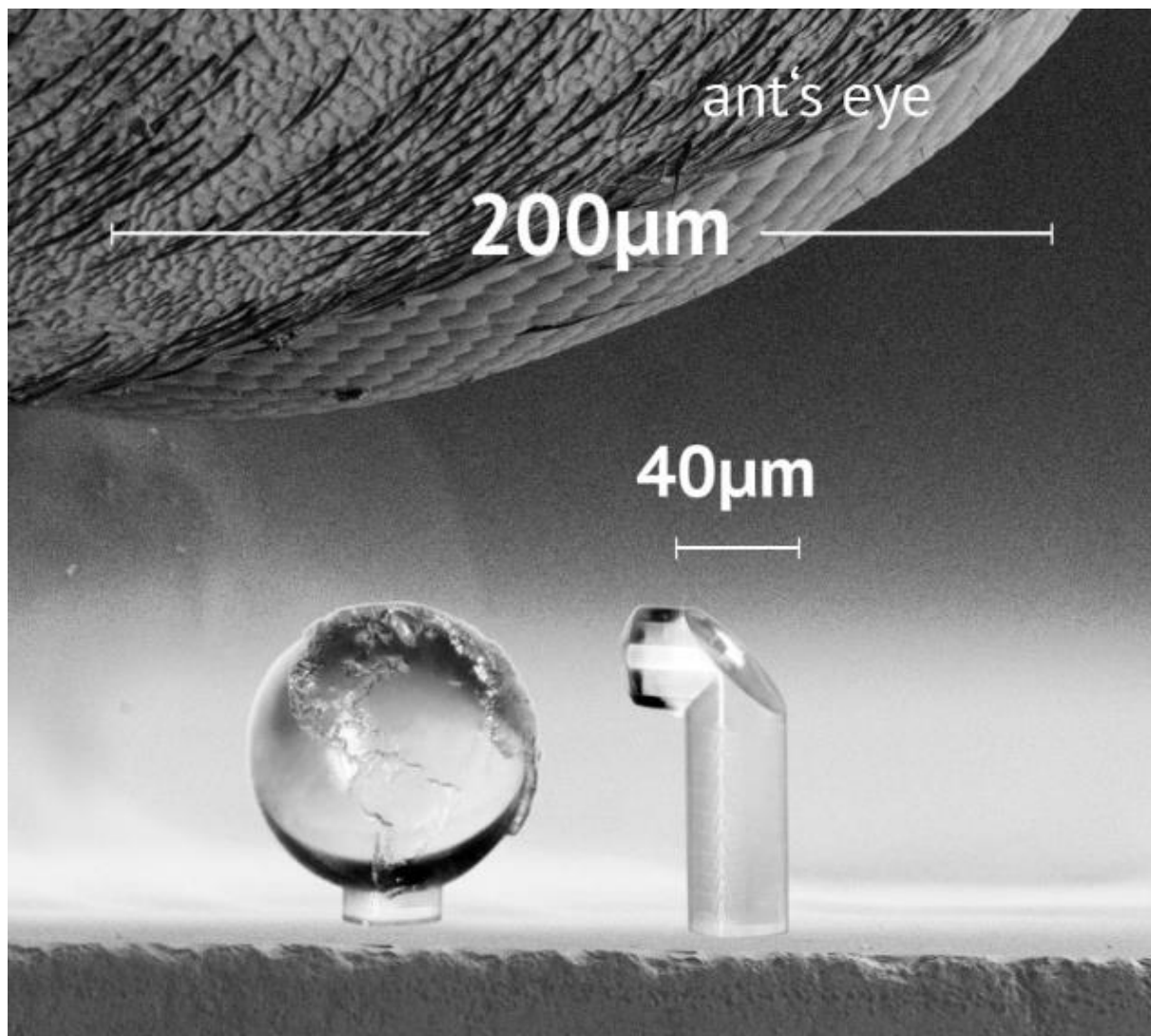


Figure 1: Example of one of our products (right), under an ant's eye, for size comparison.

What you can expect from us

We are seeking motivated students to join our product development and application team in Karlsruhe part-time. You will be working on evaluating measurement data and creating programming scripts for task automation and equipment control in our lab. You will have access to a laboratory and cleanroom environment with a state-of-the-art 3D micro-printer. With unique manufacturing capabilities and powerful metrology tools at your disposal, you will have great opportunities to play an important role in building up our company. Join our motivated, multicultural team with a positive culture of mutual trust and respect.

Your main tasks

- Data evaluation for quality assurance of the performance of micro-optics
- Implementation of software routines for our broad suite of optical metrology
- Improvement and adjustment of production processes
- Documentation of newly developed programming scripts and lab workflows

What we offer

- A varied and demanding task in a high-tech area with a high level of responsibility
- Flat hierarchies in a committed and competent team, combined with excellent development prospects within a rapidly expanding start-up company
- Competitive wages with a flexible working time model
- Pleasant working environment in Karlsruhe

Qualifications

- Ongoing degree in a technical field such as engineering, optics, physics, computer science, mathematics, or similar
- Experience with programming for data evaluation or device control

What do we expect?

- Fundamental knowledge of optics and scientific instrumentation
- Familiarity with automated data evaluation and basic UIs using a modern programming language
- High sense of responsibility and curiosity
- Motivated, proactive action
- The desire to develop professionally and personally

Your application

We look forward to receiving your application at jobs@keystone-photonics.com