



Intern (f/m/d) Software Development – Survey Solutions

Committed, dynamic and with a passion for precision, we revolutionise the world of measurement and survey.

Developing powerful software for our modern capturing and geotechnologies is an exciting challenge. Would you like to create the perfect software solution with us? Are you used to thinking in unconventional, lateral ways? Join our team and make your visions come true!

This appeals to you

- Develop a prototype to detect clearance based on point clouds. This does include an evaluation of appropriate algorithm, useful libraries and discuss your ideas of a user-friendly UX
- Develop a proof of concept to project design data on the reality (e.g. floor, walls). Calibration and rectifying of the setup for example could be done using point clouds, reflectors, ground truth markers
- Extend the R&D Tools (using python) of our imaging, camera quality and test facilities. Support the development of an extrinsic camera calibration jig and implement a target detection functionality
- Develop a prototype using C++ to exchange configuration information over an audio channel
- Do you have a great idea in the domain of Digital Survey Solutions or Reality Capture environment? We eager to know them and happy to discuss and work on them together

Choose your favorite technology and your favorite project for the next 3 - 6 months

This is you

- You study computer science, applied mathematics or a related field

- Strong interest or experience with one of the following technologies: objectoriented programming, modern C++, python, C# .NET
- Strong mathematical background, passionate about the latest technologies (Computer Vision, Image Processing) and highly motivated and engaged to learn
- Good communication skills, well organized with an analytical strength
- Fluent in German and English and willing to work in a multicultural environment

We also offer bachelor or master thesis in addition to the internship

About Us

Our innovative solutions and products are characterised by the highest efficiency and reliability. Help us to improve the future and join us working on a global success story. Find out more about [Leica Geosystem, part of Hexagon](#) and become part of something bigger.

How can I apply

If you are interested in this challenging and varied position, then we look forward to receiving your online application! Due to the privacy policy, we accept applications only via the application form. In case you are a recruitment agency please contact [us](#).

Leica Geosystems AG
Human Resources

Heinrich-Wild-Strasse
CH-9434 Heerbrugg

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Additional information

Location **Heerbrugg**

Position type **Intern**

Start of work **As of now**

Responsible

Sabrina Jarosik