

# Junior Software Engineer

(0.5–1.0 FTE)



## Position Summary

We are seeking a **Junior Software Engineer** to contribute to the development of our custom microscopy control software and analysis pipeline. You will work on GUI development, hardware control, and the image processing pipeline that detects extracellular vesicles in 3D fluorescence image data. This role offers the opportunity to broaden your knowledge and skills in an innovative, collaborative environment at a cutting-edge biomedical optics startup.

## The company

DisperTech is a technical startup, collaborating with international partners to develop novel optical devices for the detection and analysis of extracellular vesicles (EVs), which have shown great promise in the field of medical diagnostics. Because we consist of a small team, the work and task distribution is broad and diverse.

## The job

- Improve image processing pipeline and GUI for data analysis and visualization
- Improve control software and GUI to interface with subcomponents like lasers and cameras
- Perform hands-on experiments with the device for the purpose of software development
- Located at Science Park in Amsterdam, partial on-site presence required

## Skills & Background

- MSc in Computer Science, Computational Science, Data Science, Physics, Bioinformatics, Mechatronics, or related field
- Experience in Python (or experience in other object-oriented language)
- Experience with GUI development, preferably PyQt
- Analytical mindset
- Affinity for optics and a basic understanding of image processing concepts

## Bonus/Optional Skills

- Experience with experimental setups or optics
- Experience with scientific libraries like NumPy SciPy or similar
- Exposure to Micro-Manager or SDKs for scientific cameras and devices
- Any electronics, microcontroller or 3D-CAD experience could also come in handy

## Interested?

Send your CV and short motivation to: [info@dispertech.com](mailto:info@dispertech.com)