

## Internship image processing (m/f/d)

Agriculture is all about balance. The balance that is crucial to everyone's existence - also applies to our Agricultural Solutions division. We connect innovative thinking with practical action to find the right balance for success - for farmers, agriculture and future generations. With seeds and traits, crop protection and digital solutions, we help farmers produce food more efficiently, protect the land and meet the needs of society.



**LOCATION**  
Köln, DE



**COMPANY**  
BASF Digital Farming GmbH



**WORKING HOURS**  
Full-time



**CONTRACT TYPE**  
Internship



**WORKING AREA**  
IT / Information Management



**REFERENCE CODE**  
EN59617364\_ONLE\_1

### RESPONSIBILITIES

- Be a part of our team for three to six months and work on computer vision topics including neural networks for image processing.
- o You will train, evaluate as well as deploy deep learning technology for image processing tasks.
  - o Furthermore, you will optimize pre-trained networks to increase computational efficiency without loss of accuracy.
  - o You will deploy algorithms containing neural networks and classical computer vision techniques on microprocessors.
  - o In addition, you will support the project planning, take over desk-research for specific topics as well as support project presentations and analysis.
  - o In our team you will reach out to data scientists, computer scientists, agronomists as well as engineers and understand the projects, roles and objectives.

### QUALIFICATIONS

- o enrolled in computer science or related fields
- o first experience in working with microprocessors
- o familiar with technologies like Tensorflow, Pytorch, OpenCV, Git, bash
- o skills in programming, especially in Python and C++
- o fluent English skills

### BENEFITS

From day one you will be part of the BASF family. You will get involved in challenging fields of activity and have the opportunity to work on exciting projects in an interdisciplinary environment. Depending on the location of the respective group company you will get to know BASF and participate in various workshops and guided tours. In this way you will make numerous interesting experiences and get a deep insight into the world's leading chemical company.

Information regarding internships: [on.basf.com/internship](http://on.basf.com/internship)

### ABOUT US

First information about our application process can be found here: <http://on.basf.com/applicationprocess>.

Do you have any questions about the application process or the position?

Mrs. Claudia Mekelburg (Talent Acquisition) Phone no.: +49 (0)30 2005 59871

xarvio Digital Farming Solutions powered by BASF is at the forefront of the digital transformation of agriculture optimizing crop production. xarvio offers digital products, based on a global leading crop model platform, which deliver independent field-zone-specific agronomic advice enabling farmers to produce their crops most efficiently and sustainably. The xarvio products SCOUTING, FIELD MANAGER and HEALTHY FIELDS are

**Together we can accomplish everything. Through the power of connected minds.**

We are looking forward to your online application at [www.basf.com/jobs](http://www.basf.com/jobs).

We are happy to answer your questions: Email [jobs@basf.com](mailto:jobs@basf.com) | Tel 00800 33 0000 33



We create chemistry

being used by farmers in more than 100 countries worldwide. Working at BASF Digital Farming GmbH is equally as innovative as our products: we have a global network and work with agile methodologies in a start-up atmosphere. Join our team! Learn more about xarvio at [www.xarvio.com](http://www.xarvio.com) or visit any of our social media channels.

**At BASF, the chemistry is right.** Because we are counting on innovative solutions, on sustainable actions, and on connected thinking. And on you. Become a part of our formula for success and develop the future with us - in a global team that embraces diversity and equal opportunities irrespective of gender, age, origin, sexual orientation, disability or belief.

Please note that we do not return paper applications including folders. Please submit copies only and no original documents.

Please upload the documents, summarized in a PDF if possible.

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We are looking forward to your online application at [www.basf.com/jobs](http://www.basf.com/jobs).

We are happy to answer your questions: Email [jobs@basf.com](mailto:jobs@basf.com) | Tel 00800 33 0000 33