# ark|group

## Master-/Bachelor thesis: Digital printing error detection system

### MOTIVATION

The ark|group is a young and aspiring company group. We develop sustainable and flexible soutions for the digital transformation in the manufactoring industry to ensure a stable successful future for the people. Our competences range from technology and strategy consulting, through interdisciplinary developments to maintenace services. To reinforce our team in Aachen we are currently offering a committed Master-/Bachelor Student.

We are convinced that the writing of graduation work is the best way to combine theory and practice with each other. We offer you the opportunity to develop technically innovative topics in your Bachelor or Master thesis, because a final paper is the foundation of your further career.

### YOUR RESPONSIBILITIES

➢ You create your Bachelor-/Master thesis within 6 or 3 months on the topic „Digital printing error detection system"
➢ You create an image processing algorithm for error detection
➢ You will implement a communication protocol for the application

### YOUR QUALIFICATIONS

➢ Student with focus on Electronic, Computer Science or Mechanical Engineering
➢ Program in C++ with Qt and OpenCV
➢ Basic knowledge of linear algebra and statistics
➢ Knowledge of communication protocols (TCP/IP)

### YOUR BENEFITS

➢ A young and aspiring startup
➢ Dynamic, innovative, international and ambitious team
➢ Taking over responsability quickly
➢ Individual support and possibilities to develop
➢ Flexible working hours
➢ Introducing your own ideas and participating actively
➢ Regular joint events and meetings
➢ Joy at work

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**CONTACT PERSON**
**Fabian Schreiber**
Technologiezentrum Europaplatz
Dennewartstraße 25-27
52068 Aachen
T  +49 (0) 241 963 11 60
E  bewerbung@ark-group.de

**www.ark-group.de**