

## **XAAR Jet plc**

Advanced Application Technology AAT  
Dr. Werner Zapka  
Drottning Kristinas väg 61  
SE-11428 Stockholm, Sweden



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werner.zapka@xaar.com

### **Internship Within Research and Development at Xaar Jet AB, Stockholm**

Xaar develops and manufactures piezo inkjet printheads for industrial applications and is located at Cambridge (Headquarters and R&D), Huntingdon (Manufacturing) as well as in Stockholm (R&D).

You will work within the Advanced Application Technology group within R&D, based in Stockholm, Sweden, where we develop new inkjet applications. Such applications use the specific benefits of the inkjet technology and have become known as 'digital fabrication'. Examples are the wide area of inkjet printing of functional fluids for manufacturing of displays, solar cells, optical lens arrays, printed electronics, 3D printing, direct-to-shape' printing, inkjet on robots, applications within bio/pharma etc.

Topics of the internship work:

- Process development of inkjetting with functional materials
- Development and analysis of specific inkjet printing applications
- Development of metrology (measurement) equipment
- Measurement of complex fluid rheology
- Simulation of multiphysical processes

Your technical knowhow should be in the area of Microsystems Engineering, Mechatronic, Electrical Engineering, Software and/or Physics.

You will be integrated into teams of scientists and engineers, and you will work on your own challenging projects. There will be daily guidance and tutoring, and you will present and report your activities regularly.

Based on our experience the internship students should have finalized their Bachelor studies, and our internships last six months. We specifically support Master thesis work, and we will guide you – on your request – into employment at our industry partners within the digital printing area.

Xaar offers economic accommodation in our 'students apartment'.

The next internships will start about April 2017.

If you are interested, please, contact us at [werner.zapka@xaar.com](mailto:werner.zapka@xaar.com).

Werner Zapka