



**Image processing Engineer (F/M)  
12 months CDD, renewable**

SERTIT, a platform of the ICube laboratory, within the University of Strasbourg, aims to extract and to format information from image data produced by Earth Observation systems. SERTIT is an intermediary between space research, digital technologies and operational user needs.

SERTIT uses space-borne Earth Observation data transforming them into geo-information, easy-to-use in decision support systems. Within the perspective: Space serving the Earth, the foundation of our service offer, we take care in continuously accounting for user wishes and needs, the growing potential offered by space technologies and the latest developments in terms of remote sensing research.

To join our team in Strasbourg, France, we are looking for an engineer specialized in image processing.

The role:

- Development and optimization of scientific algorithms for the exploitation of satellite imagery
- Take a leading role in the implementation of Deep learning pipelines for satellite processing from data collection and pre-processing, model and hyper parameters definition to fine tuning and deployment
- Closely collaborate with a team of geoscience and remote sensing engineers to define functional and technical aspects of the algorithm development
- Being an active member of SERTIT's Rapid Mapping Service of SERTIT, involved in the map production within the framework of several international satellite-based emergency response mechanisms (training provided). This is a 24/7 service and involves on-call duty and sometimes working nights and weekends

The Must Haves:

- MSc or equivalent in computer science / software engineering / image processing
- In-depth python programming skills
- Solid C/C++ programming skills
- Experience in image processing and/or computer vision
- Experience solving real-world problems with machine and deep learning models
- Experience in modern deep learning frameworks such as Tensorflow and Pytorch
- Good knowledge of virtualization systems such as Docker and Singularity
- Can do attitude, Self-starter, works on own initiative, with effective communication to team and supervisor
- Familiarity with UNIX and Windows operating systems
- Good level of technical English
- Ability to perform on-duty assignments

The Nice to Haves:

- Experience with cloud computing (AWS or similar) is a plus
- Experience with automated analysis of satellite, aerial, or multispectral imagery is a plus

A prior professional experience is not required, but a first experience including software development is a plus.

We offer a unique environment for dynamic people looking to develop their own skills in an international team. Flexible working hours and a very good vacation package on offer.

Furthermore, and depending on your professional experience please send your Internship Report and/or personal reference(s) in the case of professional experience. If you have a portfolio or a GitHub link include it in your application, we'd love to see you work!

Our foreseen calendar is as follows:

- Closing date: 02/06/2019,
- Interviews: 11/06/2019 to 14/06/2019
- Job to Start: 01/07/2019 or on a mutually agreed date

We look forward to receiving your candidature to [emploi-sertit-2019@unistra.fr](mailto:emploi-sertit-2019@unistra.fr) with the subject title: IP – Name - Candidature and please deposit documentation (CV, Cover letter, references and/or Internship Report, Git) at the following address: <https://seafile.unistra.fr/u/d/e0ac60fd88164d798ae6/>

Using the following filenames:

- IP-Name-CV,
- IP-Name-CoverLetter,
- IP-Name-Internshipreport,
- IP-Name-References
- IP-Name-GIT...

Best regards,

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