

NEC Europe Ltd. is a subsidiary of NEC Corporation, a world leader in the computer and communications market with a large base of R&D Laboratories in Japan, China, USA, and Europe.

NEC Laboratories Europe has an immediate opening for an

Internship on Deep Learning for Medical Image Analysis

[ref:2017-12-66-SML]

We are an international team of researchers who are excited about data and its potential to power new applications and products in the digital health domain. We have an excellent track record of producing top research and of impacting innovative data-driven products in and outside of NEC. The current focus of the group is on machine learning with an emphasis on deep learning for graph and image data. NLE is looking for a student to carry out an internship at our lab in Heidelberg, Germany. The focus will be on the analysis of medical images by applying our own deep learning technologies and through the development of new state-of-the-art machine learning models.

The internship includes the following work items:

- Preprocessing of medical image data
- Application of deep learning models to the preprocessed image data
- Development of novel methods to improve the efficiency of the models and the accuracy of the results

NEC Laboratories in Heidelberg (Germany) provides an excellent working environment supporting individual creativity as well as strong teamwork. Our working language is English.

Please send your application via the following webpage: <http://www.neclab.eu/jobs/> with reference to **[2017-12-66-SML]**.

Required Skills:

- Machine learning expertise
- Hands-on experience with object oriented and/or functional programming languages (Python, C/C++, Java)
- Familiarity with ML software such as TensorFlow, Caffe, Keras, Sklearn, Skimage, OpenCV...
- Good communication skills in English

Benefits:

- Exposure to the field of deep learning for image data from the medical domain
- Excellent opportunities to obtain experience in an industrial working environment
- Opportunity to publish papers at international conferences

Preferred starting date:

March 2018

Duration:

6 months

For questions, please contact:

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<http://www.neclab.eu/jobs.htm>