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 or Master Thesis on Reinforcement Learning

[ref: 2017-05-63-IPC]

NEC Laboratories Europe (NLE) is working on machine learning algorithms for control and optimization of innovative industrial control applications.
NLE is looking for a student to carry out an internship in the field of data sciene, located at our premises in Heidelberg, Germany. Reinforcement learning methods offer interesting concepts to tackle data-driven decision making and control of complex systems. The internship will provide the opportunity to work in the exciting field of reinforcement learning.

The internship includes the following work items:

- Literature research on Reinforcement learning State-of-the-Art
- Derivation and implementation existing RL approaches to a set of control scenarios
- Validatation in simulation environments
- Development of prototype
- Demonstration of industrial application

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

Required Skills:
- Student in natural sciences, e.g. Machine Learning, Computer Science, Math, Physics
- Strong knowledge of and practical experience in Machine Learning; Deep Learning/ Reinforcement Learning is a plus
- (Very) good grades
- Strong knowledge of Python, R or Matlab
- Independence and strong intrinisic motivation
- Strong English language skills

Benefits:
- Early exposure to the field data science for control and optimization
- Excellent opportunities to obtain experience in an industrial working environment
- Opportunity to publish papers in international conferences
- Students receive common indemnification

Preferred starting date:
Any time starting from March 2018

Duration: 6-8 months

Please send your application via the following webpage: http://www.neclab.eu/jobs with reference to **[2017-05-63-IPC].**

For questions, please contact:
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http://www.neclab.eu/jobs