Damien Lancry

 4 Sims Drive, #14-19, 387387, Singapore

 damienlancry.github.io   in damienlancry   damienlancry   +65 8135 4749

 damien.lancry@gmail.com   damien.lancry   +33 6 69 24 94 60

EXPERIENCE

A*STAR - Agency for Science, Technology and Research **Singapore**
Research Assistant *Feb 2019 – Ongoing*
- Background research on state-of-the-art methods in Bayesian Deep Learning and Active Leanring
- Application of Deep Bayesian Active Learning to datasets provided by A*STAR's Institute of Microelectronics (IME)

HomeRez - Online Property management of vacation rental **Paris, France**
Data Analyst Intern *Jun 2017 – Sep 2017*
- Data Acquisition by scraping Airbnb, HomeAway using Crawlera
- Development and Deployment of a pricing algorithm (feature selection, feature engineering)
- Validation of the model by comparing performance of houses

Hotel Mikazuki **Hotel Trade**
Summer Intern *Jun 2016 – Aug 2016*
- Employee in a hotel in Japan as a customer supporter
- Daily use of the Japanese language
- Beforehand, Japanese formation and immersion in a Japanese host family

EDUCATION

Imperial College London **London, United Kingdom**
M.Sc. Advanced Computing *Oct 2017 – Oct 2018*
Course total: 84.3 / 100 (A*). Relevant Courses: Mathematics for Machine Learning, Dynamical Systems and Deep Learning, Reinforcement Learning, Advanced Machine Learning and Pattern Recognition, Data Analysis and Probabilistic Inference

CentraleSupélec **Paris, France**
Programme Grande École *Sep 2015 – Ongoing*
Supélec Engineering Program. Top-tier Engineering School in Electrical Engineering, Computer Science and Telecommunications. 1st year GPA: 3.9/4

Lycée Pasteur **Neuilly-Sur-Seine, France**
Classes Préparatoirses Grandes Écoles *Sep 2013 – Jul 2015*
2-year intensive program in advanced mathematics and physics with the main goal of training students for enrolment in one of the *Grandes Écoles*.

ACADEMIC PROJECTS

M.Sc. Thesis: Deep Reinforcement Learning for Simulated Car Racing *May 2018 - Oct 2018*
- modified TORCS' source code to make it tailored to Deep RL purposes
- developed an openAI gym interface for TORCS
- applied openAI's implementation of state-of-the-art Deep RL algorithms on this new environment
- discovered and fixed bugs in OpenAI's baselines implementation

CentraleSupélec 2nd year project: Style transfer between Images *Dec 2016 – Jun 2017*
- Implementation of Neural Style Transfer using TensorFlow
- Implementation of Texture Networks: Feed-forward Synthesis of Textures and Stylized Images using TensorFlow

SKILLS

Programming Languages: Proficiency in Python, Experience with Matlab, Octave, Java, JavaScript, C++

Python Libraries: PyTorch, TensorFlow, Keras, Pandas, ScikitLearn, Numpy, OpenCV, MongoDB, Matplotlib, Skorch, modAL

Operating Systems: Linux (Ubuntu), Windows

Languages: French (native), English (full professional proficiency), Spanish (limited working proficiency), Japanese (elementary proficiency)