Maxime Wabartha

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25 years − driving license

Looking for an internship/PhD in RL (Apr. − Sep. 2018)

Education

2017 − 2018 **Master degree (M.Sc.)**, *École Normale Supérieure Paris-Saclay*.
Mathematics, computer vision and machine learning.
Master program "MVA", considered the best machine learning master in France.
Reinforcement, probabilistic graphical models, graphs (project: graph exploration using Thompson Sampling), kernel methods, computer vision (project: segmentation with atrous convolutions)

2013 − 2017 **Master of Engineering degree**, *École Centrale de Lille*.
Data Science major − Entrepreneurship minor
Top 10 french Engineering Schools
- Specialization in machine learning, statistical estimation, reinforcement learning,
- Solid foundations in engineering (mechanics, electronics, embedded systems) and business (strategy, change management, assertivity),
- Extra-curricular: Co-founder of the school's movie club.

2010 − 2013 **Mathematics & Physics student**, *Lycée Kléber, intensive preparatory classes for competitive entrance to the french "Grandes Écoles".*

Professional experience

May 2017 to Sep. 2017 **Research intern in Computer Vision and Deep Learning**, *NeuroPoly (neuroimaging laboratory)*, Polytechnique Montréal, Montréal.
Development of AxonDeepSeg, a CNN using a variation of the U-net architecture to segment microstructures from spinal cord microscopy data. Open-source software (TensorFlow) available online. Lead co-author of a scientific article currently under review, submitted 2017/11/07 to Nature Scientific Reports.

Apr. 2016 to Aug. 2016 **Business Intelligence analyst**, *Shopwings (startup)*, Sydney.
Uber-like start-up delivering supermarket groceries directly to the customers' doorstep.
Responsible of updating and extending the operations and data analysis tools during a business expansion period (launch of the service in 3 new cities). In charge of the technical and organizational implementation (choice and coding of the solution, processes update, change management) of 2 strategic partnerships.

Apr. 2014 to Mar. 2015 **Internal vice-president**, *Centrale Lille Projets, €100k-turnover consulting firm.*
Student-managed consulting firm providing programming and marketing services.
In charge of the objectives and strategy of each division alongside their respective supervisors. Project manager for 5 projects (€15k) with entrepreneurs and industry leaders: business meetings, contract redaction.
References available upon request.

Skills

Programming Python, TensorFlow, SQL, Google Apps Script, C, Spark, Java, VBA
Softwares/OS Matlab, Git, Unix, LaTeX, Microsoft Office
Languages
- English: fluent written and oral (TOEIC : 985/990)
- German: occasional practice, B1-level equivalent.

Extracurricular activities

Sport Practice of competitive badminton for 10 years,
Misc. Business - Technology - Cinema