

# VICTOR SCHMIDT



## ABOUT ME

(Machine) Learning enthusiast. After a strong academic record and a few experiences in the industry, I want to specialize in Machine Learning. I feel confident that my very diverse background and experiences will be strengths as a **PhD Candidate**. I am most interested in NLP tasks but would not limit my interests to those.



## EDUCATION

### University College London, London

2016- 2017

**MSc. Machine Learning** (with Distinction): Supervised learning, Graphical models, Reinforcement Learning, NLP.

**NLP Research Project:** Deep Reinforcement Learning to answer questions using Wikipedia (Tensorflow on AWS). "Deep Reinforcement Learning with a Natural Language Action Space", He et al. 2016

### Ecole polytechnique, Paris

2012- 2016

Engineering degree (eq. MSc) **Entrepreneurship and Data Science** : Quantum Physics, Computer Science, Operations Research, Entrepreneurship, Data Science

### Lycee Janson de Sailly, Paris

2010- 2012

Selective and intensive course preparing for the French best engineering schools : Advanced Mathematics, Physics and Chemistry



## SKILLS

### Computer Science

**Python** (incl. Django) ● ● ● ● ●

**Matlab** ● ● ● ● ●

**JavaScript** (incl. Chrome ext. + React) ● ● ● ● ●

**HTML, CSS** ● ● ● ● ●

**Deep Learning Libraries:** Tensorflow, Keras, Lasagne

### Languages

**French** : Mother tongue

**English** : Fluent (114/120 TOEFL)

**Spanish** : Average

**Classic Arabic** : Beginner



## ACTIVITIES

**Travel** : 6 months from New Delhi to Tokyo, including the filming of a documentary on primary school pupils

**Programming** : **Chrome extension** showing the hierarchy of ownerships in the media (React + Redux + Flask), see: [metada.org](http://metada.org)

# Machine Learning Engineer Looking for a PhD

## INFO



**Starting Date:** January 2019

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## EXPERIENCE



### Ministry for the Economy, Paris

NLP Data Scientist Feb 2018 - Dec 2018 (current)

- **Document Classification:** Tensorflow models, including Hierarchical Attention Networks (Yang et al, 2016)
- **Validation Web app** to measure noise in the labels and improve understanding of the models.
- **Translation** (Fr-En): exploratory work, literature about transfer learning, domain adaptation and NMT

### Rythm, Inc. Paris

Data Science Engineer Sep 2015- Feb 2016

- **Deep learning infrastructure** using Keras & Lasagne (see website)
- Signal quality prediction based on two seconds of electro-encephalogram signal with **LSTM networks**
- **Backend** application (Django) to store and compare predictors (random forests and neural networks)

### Rythm, Inc. Paris & San Francisco

Marketing Intern Mar 2015- Sep 2015

- **Competitive analysis** (branding and wording)
- **Project manager** for the company's name change logistics, from Dreem to Rythm Inc.

### Cabinet Startup, Ecole polytechnique

Cofounder Sep 2013 - Mar 2015

- Student-run association promoting entrepreneurship
- Organization of two **Startup Weekends**, in charge of communications, mentors, juries

### Gemalto, Singapore

Software Engineer Intern Jul 2013 - Aug 2013

- Development of an **HTML5 web app** aiming at assessing the technology's potential for the company.

### Lycee Janson de Sailly, Paris

Maths Teacher Assistant Sep 2013 - Jun 2014

- Evaluation of 2nd year students by giving them exercises to solve live on a blackboard