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EDUCATION

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|---|---|--------------------------------|
| Paris, France | Ecole Normale Supérieure | Sept. 2018 – Sept. 2019 |
| <ul style="list-style-type: none">• M.S. in Applied Mathematics (M2) – Mathématiques, Vision et Apprentissage• <i>Graduate Coursework:</i> Statistical Learning; Kernel Methods; Deep Learning; Computational Statistics; Probabilistic Graphical Models; Reinforcement Learning; Object Recognition in Computer Vision; Speech Recognition and NLP | | |
| Palaiseau, France | Ecole Polytechnique | Jan. 2015 – Sept. 2019 |
| <ul style="list-style-type: none">• M.S. in Data Science (M1) and B.S. in Engineering• <i>Graduate Coursework:</i> Machine Learning; Computer Vision; Text Mining and NLP; Database Management Systems• <i>Undergraduate Coursework:</i> Mining Massive Data Sets, Algorithms, Modelling Random Events, Optimization | | |
| Sao Jose dos Campos, Brazil | Instituto Tecnológico de Aeronautica | Jan. 2013 – Dec. 2014 |
| <ul style="list-style-type: none">• B.E. in Computer Engineering – first two years | | |

EXPERIENCE

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|---|--|--------------------------------|
| Data Science, Intern | Destygo – Chatbots for travel companies | Mar. 2018 – August 2018 |
| Research and Development | | Paris, France |
| <ul style="list-style-type: none">• Studied state-of-the-art methods for named-entity recognition and intent classification models and implemented production versions in TensorFlow and Keras – respectively BiLSTM + CRF and FastText• Devised general purpose word and sentence embeddings in French to be used into various internal NLP models• Improved training datasets by developing methods to efficiently retrieve user messages with a wanted intent | | |
| Quantitative Research, Associate Intern | J.P. Morgan | Sept. 2017 – Dec. 2017 |
| QR Credit | | London, UK |
| <ul style="list-style-type: none">• Implemented corporate bonds and CDS data exploration and visualization tools, built using time series analysis algorithms applied to end-of-the-day market data. Python, Statsmodels, Postgres• Studied the CDS-Bond basis arbitrage and the predictive power of the residual basis as a mispricing indicator | | |
| Software Development Engineer, Intern | Amazon | Apr. 2017 – Aug. 2017 |
| AWS EC2 | | Cape Town, South Africa |
| <ul style="list-style-type: none">• Developed an audit trail of user activities taken on one of AWS EC2's internal infrastructure automation services:<ul style="list-style-type: none">◦ In the back-end, implemented a logger and API methods in Java to efficiently query and access logged activities, by designing a data store schema combining Amazon S3 and DynamoDB, a NoSQL database service;◦ Built an interactive webpage using Ruby on Rails to show audited activities; followed the MVC pattern | | |
| Software Developer, Intern | Keyrus | Jun. 2016 – Aug. 2016 |
| Rays | | Paris, France |
| <ul style="list-style-type: none">• Rays is Keyrus' scalable PaaS that provides machine learning algorithms as a service• Implemented and integrated several machine learning algorithms to the platform in Scala and Python using the Apache Spark framework. Followed a use-case oriented approach | | |

ADDITIONAL EXPERIENCE AND AWARDS

- **Coursera:** Deep Learning specialization, Natural Language Processing
- **Competitive programming:** studied algorithmic problem-solving techniques and represented Polytechnique twice
 - *Google Code Jam* (2017) – top 1% over all participants
 - *ACM ICPC regionals* (SWERC) – University of Porto – 18th (top third) (2016) and 32nd (2015) places
- **Eiffel Excellence Scholarship** – Campus France; 5th place in Ecole Polytechnique's international admissions process
- **Olympic mathematics:** participated in international competitions in high school and undergraduate level
 - *International Mathematics Competition* (IMC) – Bulgaria – Gold medals in 2013 (top 9%) and 2014 (top 12%)
 - *International Mathematical Olympiad* (IMO) – Silver (2011) and Bronze (2012) medals
 - *Brazilian National Mathematical Olympiad* – 2nd (2011 and 2012), 1st (2013) and 3rd places (2014)
- **Mathematical Olympiads Training Center** – Regional coordinator and teacher (2013 – 2014)

TECHNICAL AND PERSONAL SKILLS

- Proficient: Python, Java, TensorFlow, Keras, Scikit-learn
- Familiar with: C++, Ruby on Rails, JavaScript, Scala, R, Apache Spark, Postgres, DynamoDB
- Speaks: English (fluent); French (fluent); Spanish (working proficiency); Portuguese (mother tongue)