Hugo Cisneros

Personal Data

Place and Date of Birth: Paris, France | 24 February 1996 **Phone:** +33 645665266
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Work Experience

Mar - Sep 2018 — **INRIA and CNRS (LIMSI)** *Research Intern* Paris

Built a software for extracting and integrating multiple data sources with **NLP and data processing algorithms** for data journalism. Worked with journalists from *Le Monde (Les Décodeurs)* on automating their data processing pipelines and using NLP for their investigations. Reviewed literature on **machine learning in graphs**, **automatic knowledge base construction** and **natural language processing for fact checking**.

Jun - Sep 2017 (Part-time) Oct 2017 - Mar 2018 — **Aiden.ai (start-up)** *Software engineering and Machine Learning Research Intern* London

Worked on building an AI powered virtual colleague for Marketing analysts based on Natural Language Processing.
Participated in implementing the chat interface and the Natural Language recognition system with **Javascript**.
Implemented Machine learning algorithms with **Python** for predicting marketing data, classifying and clustering users.

Sep 2016 - Feb 2017 — **ENS Ulm, Kastler-Brossel Laboratory** *Research assistant* Paris

Light control and propagation in amplified multimode fibers

Implemented and optimized finite elements simulations with **Python** and **Matlab**. Performed high performance computing on scientific calculation clusters. Worked with a PhD candidate on building a tool for optimizing the propagation of a light beam in optical fibers.

Nov 2015 - Jan 2016 — **Mines ParisTech** *Team member of Smart-grid project*

Built with a team of 9 a functioning software prototype for managing the electricity consumption of a building through the control of electrical devices. Implemented real-time electricity market data processing in **Python**.

Education

Current – **Sep 2018** MVA Master in Machine Learning and Applied Mathematics, **ENS Paris Saclay**, Paris
Relevant Coursework: Convex Optimization, Probabilistic Graphical Models, Computer Vision, Reinforcement Learning, Deep Learning

Sep 2018 – **Sep 2015** Master of Science in **Engineering**, **Mines ParisTech**, Paris
Specialization: Computer Science - (3.7 GPA)
Relevant Coursework: Machine Learning, Probabilities, Statistics, Programming

Aug 2015 – **Sep 2013** Preparatory class for *Grandes Ecoles* **Lycée Stanislas** (Paris) MPSI and MP*
Bachelor's Degree in Mathematics and Physics, national competitive exam for entering engineering school.

Aug 2013 Scientific Baccalauréat (High school diploma in Maths, Physics and Life Sciences) - High distinction

Projects

Jun-Aug 2018 Participated in the n2c2 shared task of Harvard Medical School *Cohort Selection for Clinical Trials* in a joint team from AP-HP and LIMSI. Implemented **semi-supervised and transfer learning methods for Medical NLP** (Keras). Finished 2nd among 30 teams.

Jan 2018 Built a Machine Learning based tool for discovering and matching similar arXiv papers based on similarity measures including **word embeddings-based similarities** of their abstract and **co-authorship graph distance**.

Feb 2017 Implemented a multi-currency blockchain in Python with a team of 9 people (Cryptography, network programming, team software development)

Languages

English: Fluent
French: Mothertongue
Spanish: Intermediate
Japanese: School level

Computer Skills

Advanced knowledge: Python (Tensorflow, Pytorch, Django), Matlab, Java, Javascript (Node.js, Typescript and Web), LaTeX
Basic Knowledge: Scala, Ruby, C++

Interests and Activities

- Mathematics, Statistics and Probabilities
- Technology, Open-Source, Programming
- Running (weekly practise), Fencing, Piano, Guitar