Martin **Cepeda**
Double Degree student – X2017 & UC (Chile)

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Targeting a 6 month internship on Data/AI starting on April 2020

🎓 Education

2019 to 2021	**École Polytechnique**, MSc&T in Artificial Intelligence & Advanced Visual Computing – Expected graduation year 2021.
2018 to 2021	**École Polytechnique**, Cycle Ingénieur Polytechnicien – Expected graduation year 2021.
2015 to 2017	**Pontifical Catholic University of Chile**, B.S in Electrical Engineering, Minor in Electronics and Telecommunications – Expected graduation year 2021. Ranked 9 out of 823 students in the promotion.

💼 Work Experience

August 2019 June 2019	Data Scientist Intern, Institut Louis Bachelier DataLab, France NLP, scraping & ML projects in Python

</> Projects

> At École Polytechnique:
  - Anomaly Detection in Videos using CNNs in Python
  - Prediction of signal peptide cleavage site using supervised learning in C++
  - Optimal Tree Labeling in Java
  - Numerical analysis of radiative transfer in an homogeneous field under simplified conditions written in Python
  - Hasting-Metropolis implementation in Python
> At UC (Chile):
  - Robot arm simulation in Python
  - Web crawler for a linguistics study written on Python
  - Switching-Mode Power Supply embedded software and hardware written in C
  - OpAmp design and testing in LTspice
  - Private tutor for high-schoolers and University students on maths, physics and programming related courses.

👥 Other Activities

Today Jan 2018	Student life, activities and sports, École Polytechnique > "Crôtale de section" Ultimate 2017 > Participation in various students associations ("binets") such as X-Passion, HispaniX and Ultimate
Jan 2018 Jun 2017	Undergraduate Investigation, supervising professor Miguel Nussbaum, PUC School Students Efficacy: Created databases to apply under-development models to better understand the lowest-performance schools in Chile.

Dec 2017 Mar 2015	**Teaching Assistant, Mathematics, Sciences and Engineering courses, PUC** > Electromagnetism Laboratory, Faculty of Physics > Electrical Circuits, School of Engineering > Quantitative Reasoning, Faculty of Mathematics > Precalculus,Faculty of Mathematics > Physics levelling program for freshmen students, School of Engineering > Introduction to Programming, School of Engineering > Calculus I, Faculty of Mathematics > General Chemistry II, Faculty of Chemistry
Nov 2016 Mar 2016	**Teaching Commitee Member, Engineering Students Center, PUC** Organised several activities with professors to reinforce the relationships between students and the Engineering School.

Languages

> **Spanish** Native
> **French** Fluent in all skills (C2 TCF)
> **English** Fluent in all skills (930/990 TOEIC)

Programming Languages

> Python 3
> C++
> Java
> Mathematica
> C
> MATLAB
> R
> Arduino
> LaTeX

Interests

> Ultimate frisbee, cycling, running
> Cooking