

Hadrien Cornier

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Experience

Engineering Manager, Talroo, *Austin, TX* Jan 2025 - Present
Leading product engineering with cross-functional team including AI, Data, and Fullstack engineers. Managing hiring for associate software engineers to build cutting-edge tech that delivers high-intent job candidates to employers. Managing publisher partnerships to expand distribution channels and drive growth.

Senior ML Engineer, Talroo, *Austin, TX* Oct 2022 - Jan 2025
Led R&D efforts redesigning core ML recommender system end-to-end, increasing revenue by 20%. Optimized ML system, saving \$1M annually by reducing computational cost by 7x.

ML Engineer, Talroo, *Austin, TX* Jul 2021 - Oct 2022
Worked on the AI powering hundreds of job boards in the US. Delivered millions in savings by decreasing latency by 25% and computational cost by 7x. Merged inference strategies into a single system, which improved CTR by 15%.

ML Engineer, Augustus Intelligence, *New York City* Apr 2020 - Jul 2021
R&D for a Bayesian computer vision pipeline for visual industrial anomaly detection. Engineered full redesign for the control system of a network of thousands of sensors.

ML Intern, Revelio Labs, *New York City* Jun 2019 - Aug 2019
Designed and deployed 2 models for company payroll estimation and resume value generating \$150k in revenue. Decreased the average error rate by 50% through tuning.

Summer Research Intern, Atos, *Les Clayes-sous-Bois, France* Apr 2017 - Sep 2017
Wrote a Haskell transpiler of Quipper into aQasm for the quantum computing team working on the Atos Quantum Learning Machine (Atos QLM), a quantum computer simulator.

Officer Cadet, Gendarmerie Nationale, *Ajaccio, Corsica* Sep 2015 - Apr 2016
Assisted the regional commander with a report on organized crime.

Education

Columbia University, *New York City* 2018 - 2019
Master of Science - MS, Data Science, Statistics, Machine Learning

École Polytechnique, *Palaiseau, France* 2015 - 2019
Master of Science - MS, Computer Science and Applied Mathematics
#1 French engineering school, ranked 34th at the entrance exam

Collège Stanislas Paris, *Paris, France* 2013 - 2015
Classes préparatoires scientifiques (MPSI - PSI*), Mathematics, Physics, Computer Science
Intensive preparation for competitive entrance exams to the grandes écoles

Collège Stanislas Paris, *Paris, France* 2008 - 2013
Scientific Baccalauréat - Option Mathematics
In senior year, spent 8 months in a team of 6 preparing for the French submission to the International Physicist Tournament.

Skills

Machine Learning, Python, Spark, Research and Development (R&D), Data Engineering, Inference Optimization, Distributed Systems, Startups