

# Hadrien Cornier

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## Experience

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<b>Engineering Manager</b> , Talroo, <i>Austin, TX</i>	Jan 2025 - Present
Leading product engineering with cross-functional team including AI, Data, and Fullstack engineers. Managing hiring for all engineers. Managing publisher partnerships to expand distribution channels and drive growth.	
<b>Senior ML Engineer</b> , Talroo, <i>Austin, TX</i>	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.	
<b>ML Engineer</b> , Talroo, <i>Austin, TX</i>	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%.	
<b>ML Engineer</b> , Augustus Intelligence, <i>New York City</i>	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.	
<b>ML Intern</b> , Revelio Labs, <i>New York City</i>	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.	
<b>Summer Research Intern</b> , Atos, <i>Les Clayes-sous-Bois, France</i>	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.	
<b>Officer Cadet</b> , Gendarmerie Nationale, <i>Ajaccio, Corsica</i>	Sep 2015 - Apr 2016
Assisted the regional commander with a report on organized crime.	

## Education

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<b>Columbia University</b> , <i>New York City</i>	2018 - 2019
Master of Science - MS, Data Science, Statistics, Machine Learning	
<b>École Polytechnique</b> , <i>Palaiseau, France</i>	2015 - 2019
Master of Science - MS, Computer Science and Applied Mathematics #1 French engineering school, ranked 34th at the entrance exam	
<b>Collège Stanislas Paris</b> , <i>Paris, France</i>	2013 - 2015
Top Classes préparatoires scientifique in France (MPSI - PSI*), Mathematics, Physics, Computer Science Intensive preparation for the highly competitive entrance exams to the grandes écoles	
<b>Collège Stanislas Paris</b> , <i>Paris, France</i>	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

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