

# Hadrien Cornier

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## Experience

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**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.

**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

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**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

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