

# Hadrien Cornier

Austin, Texas, United States — hadrien.cornier@gmail.com — linkedin.com/in/hadrien-cornier

## 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. 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

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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