Hadrien Cornier

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Experience

Senior ML Engineer, Talroo *Austin, TX* — Oct 2022 - Present

Improving rankings and decreasing latency & cost per query through research and engineering. Designed end-to-end overhaul to our search system boosting revenue by 20%. Introduced a system that increased CPC long term by 30%.

ML Engineer, Talroo *Austin, TX* — Jul 2021 - Oct 2022

Worked on the AI behind Talroo powering hundreds of job boards in the US. Delivered millions in savings by decreasing latency by 25% and computational cost by 7x. Merged the dual inference strategy into a single system improving 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.

Machine Learning 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 translator of Quipper into aQasm for the research team working on the Atos QLM.

Officer Cadet, Gendarmerie Nationale, *Ajaccio, Corsica* — Sep 2015 - Apr 2016

Assisted the regional commander with a report on the mafia.

Education

Columbia University, *New York City* — 2018 - 2019

Master of Science - MS, Data Science

École Polytechnique, *Palaiseau, France* — 2015 - 2019

Master of Science - MS, Computer Science and Applied Mathematics

Collège Stanislas Paris, *Paris, France* — 2013 - 2015

Bachelor of Science - BS, Mathematics, Physics, Computer Science, Electrical & Mechanical Engineering
Classes préparatoires scientifiques (MPSI - PSI*)

Licenses & Certifications

Certificate of Proficiency in English (CPE) Grade A - Cambridge University Press & Assessment English
Master Scuba Diver - NAUI Worldwide

Skills

Machine Learning, Python, Research and Development (R&D), Data Engineering, Machine Learning Infrastructure Optimization, Embedded Systems, Early-Stage Startups