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 2B searches per month and 150k inferences per second across thousands 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

École Polytechnique, *Palaiseau, France*   2015 - 2019

Master of Science - MS, Computer Science and Applied Mathematics

Columbia University, *New York City*   2018 - 2019

Master of Science - MS, Data Science

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