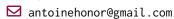
Antoine Honoré, Ph.D.





Objective

Find opportunities to contribute to AI-driven innovations in the industry. Currently developing deep learning models for biology & medicine as a postdoc researcher.

Work Experience

2025 – now	Junior researcher, Neonatal Transfusion Network.
	Project: Data Science, Exploratory data analysis (EDA) with Oxford, Charité Berlin, Karolin-
	ska Institutet.
2023 – now	WASP Postdoc, KTH Royal Institute of Technology, Stockholm, Sweden.
	Project: AI research, Predicting Chemotherapy Sensitivity using Graph Neural Networks
	Based on Deep Mutational Scanning
2016 - 2018	Research assistant, Karolinska Institutet, Stockholm, Sweden.
	Project: Data science, Establishing an extraction, transformation and loading (ETL) pipeline

Education

for the ICU data.

2018 – 2023	Ph.D., KTH Royal Institute of Technology, Stockholm, Sweden AI for medical diagnostics, Signal processing. Thesis title: Perspectives of Deep Learning for Neonatal Sepsis Detection.
2013 – 2016	M.Sc. Grenoble INP PHELMA, Grenoble, France in Electrical Engineering. Double degree with KTH Royal Institute of Technology, Stockholm, Sweden. Majors: Signal Processing, Optimization.
2011 – 2013	CPGE, Lycée Victor Grignard, Cherbourg, France Majors: Mathematics and Theoretical Physics.

Skills

AI/ML	Deep generative models: VAE, Normalizing flows; Sequence/graph models: RNN, HMM, Transformers, GCN; Signal processing, convex optimization.
Biomedical AI	Clinical decision support from bedside time series, Variant effect prediction from multimodal data (MSA, protein structure)
Programming	Python (pytorch+lightning, pandas, numpy, sklearn), Rust, C.
Systems/Databases	GNU/Linux, Bash, Powershell, Singularity, SLURM, Postgresql.
Languages	French (Native), English (Fluent), Swedish (Basics).
Publication	ICASSP, NeurIPS workshop, Acta Paediatrica, EUSIPCO
Soft	Teaching, supervising, mentoring. Interdisciplinary collaboration.

Shenanigans

Improv theater, tennis, running. Reading: sociology, economy.