



Antoine Honoré, PhD

Proposing and evaluating AI based predictive models

Statement

I thrived during my PhD studies while designing clinical decision support systems in collaboration with medical doctors. I am keen to utilize my skills for new meaningful problems in industry R&D oriented positions.



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SKILL HIGHLIGHTS

- 5+ years of experiences in data science, deep learning, Python programming
- Design & Implementation of Generative, recurrent, variational deep learning algorithms
- Autonomy and communication skills in multi-disciplinary environments
- Theory and practice of signal processing, statistical modeling, optimization

LANGUAGES

- English – Fluent
- French – Native
- Swedish – Basic

HOBBIES

- Tennis
- Running
- Reading

EDUCATION

Ph.D. AI in Biomedical Engineering | 2023

Title: "Perspectives of Deep Learning for Neonatal Sepsis Detection"
KTH Royal Institute of Technology, Stockholm, Sweden

M.Sc. Electrical Engineering | 2017

Majors: Signal Processing, Optimization.
Grenoble INP-Phelma, Grenoble, France

Classe Préparatoire aux Grandes Ecoles (MPSI – MP) | 2013

Majors: Mathematics and Theoretical Physics.
Lycée Victor Grignard, Cherbourg, France

RESEARCH

Postdoc | November 2023 -

Collaborative project with biologists at the department of physiology and pharmacology, Karolinska Institutet

Key contributions

- ◆ Design and study of genetic variants effect predictors for drug transporter proteins
- ◆ Research project design, student mentorship

PhD Student | October 2018 – August 2023

Thesis online: diva2:1109509

Collaborative project with medical doctors at the department of Women's and Children's Health, Karolinska Institutet

Key outcomes

- ◆ Machine learning-based clinical decision support systems for the analysis of bedside monitoring time series
- ◆ Data management pipeline for secure and efficient data collecting, parsing and querying (URL: [Github](#), [Gitlab](#))

Programming Skills

Languages/Libraries: **Python** (pandas, numpy, sklearn, pytorch+cuda, lightning), **PostgreSQL**, **Rust**, **Powershell**, **PostgresSQL**.