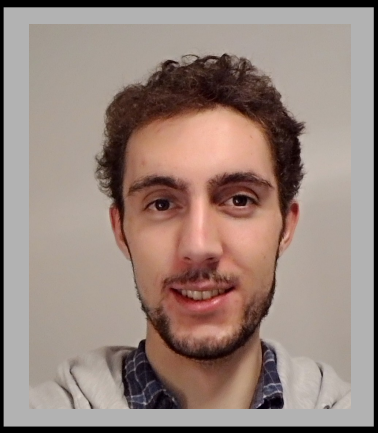

Antoine Honoré, PhD

Proposing and evaluating AI based predictive models

+46 (0)704271829

ahonore@protonmail.com

Slalomvägen 6
SE-12949 Hägersten

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.

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.**