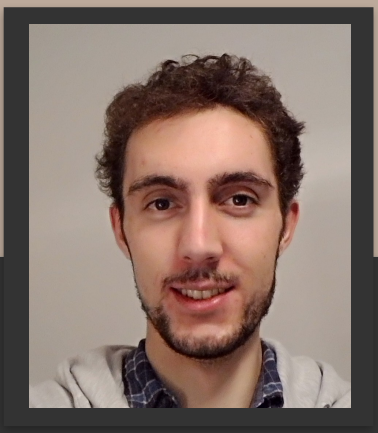

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SKILLS HIGHLIGHT

- Design, training, evaluation
  - **AI for biomedicine**
  - **Deep generative models** (VAE, Normalizing flows)
  - Recurrent networks
- **Theory and practice**
  - Signal processing
  - **Deep learning**
  - Optimization
- **Autonomy** and **communication** in multi-disciplinary environments
- Python **programming**: (pandas, numpy, sklearn, pytorch+cuda, lightning), PostgreSQL, Rust, Powershell, GNU/Linux, git, bash.

LANGUAGES

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

HOBBIES

- Tennis
- Running
- Reading

Antoine Honoré, PhD

STATEMENT

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

EDUCATION

Ph.D. AI in Biomedical Engineering | 2023
Title: “Perspectives of Deep Learning for Neonatal Sepsis Detection”
KTH Royal Institute of Technology, Stockholm, Sweden

Double M.Sc. Electrical Engineering | 2017
Majors: Signal Processing, Optimization, Machine learning.
Grenoble INP-Phelma, Grenoble, France
& KTH Royal Institute of Technology

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
- Scientific publications (URL: Google Scholar), conference talks/posters, invited talks.
- Data management pipeline for secure and efficient data collecting, parsing and querying (URL: Github, Gitlab)