

Mahmoud Bentrion, Ph.D.

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I am currently seeking an R&D job in data science applied to health care. More details about my experiences are available on my social profiles and website (<https://bentrion.github.io>) links above.

Education

- Oct. 2017 – April 2021 **Ph.D., CentraleSupélec, Université Paris-Saclay** Applied mathematics.
Thesis title: *Statistical Inference and Verification of Chemical Reaction Networks*.
- Sept. 2013 – Oct. 2016 **Engineering Degree, Grenoble INP - Ensimag**
Data science track in the MSIAM master.

Employment History

- May 2021 – Nov. 2023 **Postdoctoral researcher**, Institut Gustave Roussy and CentraleSupélec.
Survival analysis of second diseases lately induced by radiotherapy among childhood cancer survivors.
- Oct. 2017 – April 2021 **Ph.D Candidate**, CentraleSupélec - Université Paris-Saclay.
PhD candidate at the MICS lab of CentraleSupélec. I was mainly focused on bayesian statistical learning and model-checking of Markov Chain models in Systems Biology.
- March 2017 – Sept. 2017 **Research Engineer**, CentraleSupélec.
Machine learning for the inference of Clear Cell Renal Cell Carcinoma (ccRCC) based on RNA-seq data.
- April 2016 – Oct. 2016 **Data science intern**, Atos (formerly FastConnect)
- June 2015 – Sept. 2015 **Security development intern**, Thalès DIS (formerly Gemalto)

Skills

- Languages **English, French.**
- Coding **Python, Julia, R, C, \LaTeX .**
- Libraries **Scikit-learn, PyTorch, PySpark, Snakemake, Django, Plotly/Dash.**
- Maths **Statistical/machine learning, Deep learning, survival analysis, time series.**
- Software Dev **Unix/Bash, Git, CI.**
- Misc. **Biological data, programming, academic research, teaching, publishing.**
- Soft skills **Adaptability, problem-solving, communication, sociable, emotional intelligence.**
- Hobbies **Music (drums, guitar), martial arts (karate, muay thai).**