

About Me

I am an Assistant Professor of Statistics and Artificial Intelligence at ESISA. Previously, I served as a Postdoctoral Fellow at the Université de Montréal and the University of Ottawa. My primary research focus is on **Statistical Machine Learning** with applications in **Quantitative Finance**.

My research contributions include:

- Developing **machine learning and statistical modeling frameworks** for cryptocurrency and stock market forecasting.
- Implementing **machine learning algorithms** to enhance the security of IoT systems against cyberattacks.
- Designing **probabilistic models** for the security analysis of blockchain systems.

Education

Keep it the same

Publications

The following is a non-exhaustive list of my publications to be included in my portfolio:

1. *Predicting Bitcoin Market Trends with Enhanced Technical Indicator Integration and Classification Models*
 - Submitted to **The Journal of the Royal Statistical Society, Series A (Statistics in Society) (JRSS-A)**.
2. *Predicting Bitcoin Market Trends with Enhanced Technical Indicator Integration and Classification Models*

- Accepted at the **43rd IEEE International Performance Computing and Communications Conference (IPCCC 2024)**, Orlando, Florida, USA.
- 3. *Precision DDoS Detection through Gaussian Noise-Augmented Neural Networks*
 - Accepted at the **15th International Conference on Network of the Future (NoF 2024)**, Castelldefels, Barcelona, Spain.

Additional publications will be added as they become available.

Experience

Maintain previous experiences as listed, and add the following entry as the most recent position:

Professor of Statistics and Artificial Intelligence

December 2023 – Present

Responsibilities:

- **Research:** Focused on the development of advanced machine learning models with applications in quantitative finance and other domains.
- **Teaching:** Delivered courses in **Probability Calculus** and **Statistics** at the undergraduate level and **Machine Learning** at the graduate level, fostering a strong foundation in statistical theory and practical AI methodologies.
- **Curriculum Development:** Designed and developed comprehensive **Statistics** and **Artificial Intelligence** courses for undergraduate and graduate programs, aligning with contemporary advancements in the field.

Current Projects

- Statistical Machine Learning for Stock Forecasting
- Statistical Machine Learning for IoMT Applications

I will refine this section later

Awards and Honors

- **Best Paper Award**

*International Congress on Blockchain and Applications
(Blockchain 2019)*

- Year: 2019
- Location: Spain

Grants and Fellowships

- **Postdoctoral Fellowship**

- *University of Ottawa, Ottawa, Canada*
- Duration: February 2023 – August 2023
- Funding: 36,000 CAD

- **Postdoctoral Fellowship**

- *Université de Montréal, Québec, Canada*
- Duration: February 2022 – February 2023
- Funding: 50,000 CAD

- **Visiting Researcher Fellowship**

- *Université de Montréal, Québec, Canada*
- Duration: May 2020 – August 2020

- Funding: 6,000 CAD
- **Visiting Research Student Fellowship**
 - *Université de Montréal, Québec, Canada*
 - Duration: October 2021 – February 2022
 - Funding: 5,200 CAD

Talks

Add the one from my old portfolio.

Adress

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