

## EDUCATION

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### University of Edinburgh

PhD in Probability and Stochastics

United Kingdom

2021–2025

- **Supervisor:** Dr. Ilya Chevyrev
- Thesis: *Analysis of 2D Yang-Mills Measure*

### Eindhoven University of Technology

MSc in Industrial and Applied Mathematics (Cum Laude)

The Netherlands

2018–2021

- **Supervisor:** Dr. Alberto Chiarini, and Dr. Oliver Tse
- Thesis: *Schrödinger Bridges with Multimarginal Constraints*

### University of Bonn

Exchange year as part of my MSc in Mathematics

Germany

2019–2020

### Eindhoven University of Technology

BSc in Applied Mathematics (Cum Laude)

The Netherlands

2015–2018

- **Supervisor:** Dr. Jim Portegies
- Thesis: *Convergence of Several Reinforcement Learning Algorithms*

## TEACHING

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- **Teaching assistant** at University of Edinburgh 2021–2024
  - **Undergraduate Courses:** Calculus and its Applications, Introduction to Linear Algebra, Honours Analysis
  - **Postgraduate Courses:** Stochastic Modeling
- **Teaching assistant** at Eindhoven University of Technology 2016–2021
  - **Undergraduate Courses:** Calculus, Advanced Calculus, Queueing Systems, Probability, Extreme Values and Large Deviations
  - **Additional contributions:** Enhanced study materials for Probability and Stochastics 1 by creating scripts and resources to support online lecture delivery

## AWARDS AND GRANTS

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- Laura Wisewell Fund Travel Grant - £800 2024
- 4-year-PhD-studentship fully funded from School of Mathematics, University of Edinburgh 2021–2025

## RESEARCH VISITS

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- TU Berlin, *Berlin, Germany* October 2024–March 2025
  - *Visiting Dr. Ilya Chevyrev*
- EPFL, *Lausanne, Switzerland* July 2024
  - *Stayed as part of the program ‘New Developments and Challenges in Stochastic Partial Differential Equations.’*

## TALKS

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- 19th Berlin-Oxford Meeting, *Berlin, Germany* June 2024
  - Title: *Rough additive functions and application to Yang Mills theory*
- The SPDEvent 2024, *Bielefeld, Germany* May 2024
  - Title: *Rough Uhlenbeck Compactness with Application to 2D Yang-Mills Measure*
- Recent developments in Rough Paths, *Oslo, Norway* March 2024
  - Title: *Rough Additive Functions and Application to Yang-Mills Theory*
- CIME Statistical Mechanics and Stochastic PDEs, *Cetraro, Italy* September 2023
  - Title: *Rough Uhlenbeck Compactness and Additive Functions*

## CONFERENCE AND WORKSHOPS

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- New developments and challenges in Stochastic Partial Differential Equations, *Lausanne, Switzerland* July 2024
- 9th Annual Berlin-Oxford Young Researchers Meeting on Applied Stochastic Analysis, *Berlin, Germany* June 2024
- The SPDEvent 2024, *Bielefeld, Germany* May 2024
- Recent developments in Rough Paths, *Oslo, Norway* March 2024
- QFT and Stochastic PDEs, *Oberwolfach, Germany* December 2023
- Statistical Mechanics and Stochastic PDEs, *Cetraro, Italy* September 2023
- PDEs and Randomness, *Leipzig, Germany* May 2023
- Mathematics of Random Systems, *Oxford, United Kingdom* September 2022
- Geometry, Stochastics and Dynamics, *London, United Kingdom* September 2022
- The SPDEvent 2022, *Bielefeld, Germany* September 2022
- Sao Paulo School of Advanced Science on singular SPDEs, *Campinas, Brazil* August 2022

## SKILLS

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- **Programming Language:** Python, Mathematica, Matlab, Latex, R, Java

## LANGUAGES

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- **Dutch:** Fluent
- **English:** Fluent
- **German:** Elementary
- **Somali:** Elementary

## REFERENCES

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- *Dr. Ilya Chevyrev*, Mercator Fellow at TU Berlin and Reader at University of Edinburgh
  - **E-mail:** ichevyrev@gmail.com
  - *He is my main supervisor for my PhD*
- *Dr. Alberto Chiarini*, Associate Professor at University of Padova
  - **E-mail:** chiarini@math.unipd.it
  - *He was one of my joint supervisors for my Master's thesis*

- *Dr. Oliver Tse*, Associate Professor at University of Technology Eindhoven
  - **E-mail:** o.t.c.tse@tue.nl
  - *He was one of my joint supervisors for my Master's thesis*