

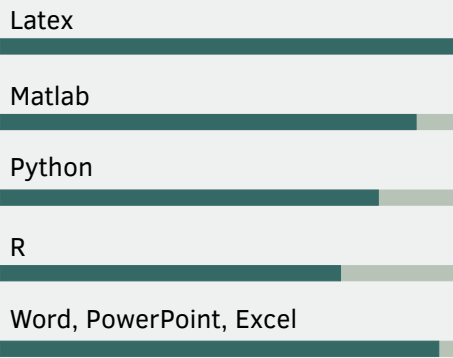


# Eva Verschueren

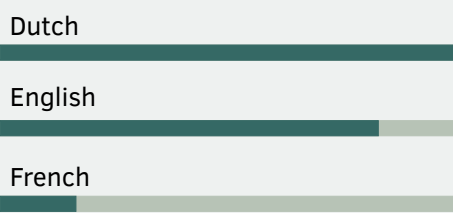
## Postdoctoral Researcher

- 4 April 1996
- Bankstraat 74,  
3000 Leuven, Belgium
- +32 475 91 26 76
- Personal website
- evaverschueren@outlook.com

## Technical Skills



## Languages



## Core Courses

Financial Engineering,  
Advanced Life Insurance Math,  
Data science for Non-Life Insurance,  
Foundations of Quantitative Risk  
Measurement,  
Statistics for Finance and Insurance,  
Machine Learning and Inductive  
Inference,  
Data Mining

## About Me

I am a Mathematician with an analytical and problem-solving mindset, currently working as a postdoctoral researcher in quantitative finance. In October 2023, I will obtain a PhD degree in Actuarial Science. While working and pursuing a master's degree in Actuarial and Financial Engineering simultaneously, I honed my abilities to handle pressure, efficiently manage my time, and meet deadlines. My engagement as a math tutor and teaching assistant on actuarial coursework highlight my intellectual, teaching and presentation skills. I have a positive mindset in everyday life and highly value opportunities for collaboration and interaction with others. I possess a strong desire to learn and grow and I am not afraid to tackle new challenges and expand my skill set.

## Education

- 2019-2023 Ph.D. in Actuarial Science** Leuven, BE  
KU Leuven  
Thesis: *Modern contribution in quantitative finance: on derivatives pricing and sustainable capital*  
Promotor-team: Prof. Katrien Antonio & Prof. Wim Schoutens.
- 2021-2023 M.Sc. Actuarial & Financial Engineering** Leuven, BE  
KU Leuven, GPA: 91% - Summa Cum Laude with congratulations of the examination committee  
Thesis: *On the pricing of capped volatility swaps using machine learning techniques* (winner of the EU Best Quant Finance MSc Thesis Award 2023, by EY and TopQuants).
- 2017-2019 M.Sc. Mathematics** Leuven, BE  
KU Leuven, GPA: 87% - Summa Cum Laude  
Thesis: *Simultaneous estimation of the physical and pricing density with applications in option positioning* (winner of the IA|BE Thesis Prize 2020).
- 2014-2017 B.Sc. Mathematics** Leuven, BE  
KU Leuven, GPA: 78% - Magna Cum Laude
- 2008-2014 Economics – Mathematics** Vorselaar, BE  
Kardinaal van Roey-instituut, GPA: 91%

## Experience

- Postdoctoral researcher in Quant Finance** October 2023 - February 2024, Leuven, BE  
KU Leuven
- Ph.D. Student in Actuarial Science** September 2019 - October 2023, Leuven, BE  
KU Leuven
  - Projects in collaboration with industry partners and JRC European Commission.
  - Day-to-day coordinator and work leader for master's thesis in M.Sc. Actuarial & Financial Engineering.
  - Teaching Assistant for courses in M.Sc. Actuarial & Financial Engineering, M.Sc. Mathematics and B.Sc. Mathematics, Physics and Computer Science.
- Teaching Assistant in Mathematics** February 2019 - June 2019, Leuven, BE  
KU Leuven
  - Guidance of exercise sessions for the course *Wiskunde I* in first B.Sc. of various scientific disciplines.
- Internship in Mathematical Finance** September 2018, Leuven, BE  
RiskConcile
  - Python code for the calibration of pricing models on volatility surfaces.
  - Python code for the valuation of exotic options.