

EMPLOYMENT	<ul style="list-style-type: none"> <li>Enrolled as a PhD candidate at Imperial College London.</li> <li>Working part-time for Aleta Index as a Data Science Intern.</li> <li>Affiliated with the Mathematics for our Future Climate CDT.</li> </ul>
EDUCATION	<div> <div>Imperial College London</div> <div>London, UK</div> <div> <i>PhD in Pure Mathematics</i> <div>December 2023 – ongoing</div> <ul style="list-style-type: none"> <li>Supervised by Prof. Dan Crisan</li> <li>Find more about my research: <a href="https://filippogiovagnini.github.io/">https://filippogiovagnini.github.io/</a>.</li> </ul> </div> </div> <div> <div>University of Pisa</div> <div>Pisa, Italy</div> <div> <i>Master of Mathematics</i> <div>September 2021 – October 2023</div> <ul style="list-style-type: none"> <li>GPA: 30/30, Graduation score: 110/110 cum laude.</li> </ul> </div> </div> <div> <div>ETH Zurich</div> <div>Zurich, Switzerland</div> <div> <i>Exchange Program</i> <div>February 2023 - August 2023</div> <ul style="list-style-type: none"> <li>Awardee of the Only Scholarship for the University of Pisa.</li> <li>Optimal Transport applied to Finance, Quantitative Risk Management, Applied Stochastic Processes, Economic Theory of Financial Markets.</li> </ul> </div> </div> <div> <div>University of Pisa</div> <div>Pisa, Italy</div> <div> <i>Bachelor of Mathematics</i> <div>2018 - 2021</div> <ul style="list-style-type: none"> <li>GPA: 29.85/30, Graduation score: 110/110 cum laude.</li> </ul> </div> </div>
PREPRINTS	<div> <div>A uniform point vortex approximation for the solution of the two-dimensional Navier Stokes equation with transport noise   Filippo Giovagnini, Dan Crisan</div> <ul style="list-style-type: none"> <li>Submitted to Journal</li> <li><a href="https://arxiv.org/abs/2410.23163">https://arxiv.org/abs/2410.23163</a></li> </ul> </div> <div> <div>A uniform particle approximation to the Navier-Stokes-alpha models in three dimensions with advection noise   Filippo Giovagnini, Dan Crisan</div> <ul style="list-style-type: none"> <li><a href="https://arxiv.org/abs/2504.12960">https://arxiv.org/abs/2504.12960</a></li> </ul> </div>

TEACHING ASSISTANT ROLES	<b>Imperial College Business School</b>   London, UK	September 2024 - January 2025
	<ul style="list-style-type: none"> <li>• "Stochastic Calculus for Finance" module of the Risk Management MSc</li> </ul>	
	<b>Imperial College Business School</b>   London, UK	December 2023 - January 2024
	<ul style="list-style-type: none"> <li>• Marking exams.</li> </ul>	
EXPERIENCES	<b>University of Pisa</b>   Pisa, Italy	January 2023 - June 2023
	<ul style="list-style-type: none"> <li>• Writing official notes for Analysis 2 and Higher Analysis.</li> </ul>	
	<b>Teaching Assistant</b>   University of Pisa	July 2022 - September 2022
	<ul style="list-style-type: none"> <li>• Conducted a one-week course and tutorials for first-year students.</li> </ul>	
	<b>University of Bologna</b>   Bologna, IT	December 2024
	<ul style="list-style-type: none"> <li>• Given a short talk</li> <li>• See the website here.</li> </ul>	
	<b>Stony Brook</b>   New York, US	January 2025
	<ul style="list-style-type: none"> <li>• Given a short talk + one-week-long winter school</li> <li>• Grant for fully funded travels and lodging</li> <li>• See the website here.</li> </ul>	
SKILLS	<b>Alhambra PDE Days</b>   Granada, Spain	July 2024
	<b>BCAM, Bilbao</b>   Bilbao, Spain	March 2024 - April 2024
	<ul style="list-style-type: none"> <li>• Two-months long - Fully funded by BCAM</li> </ul>	
	<b>Scuola Normale Superiore</b>   Pisa, Italy	February 2024
	<ul style="list-style-type: none"> <li>• Workshop on Fluid Dynamics with lectures and seminars.</li> </ul>	
	<b>Junior Math Days, SISSA</b>   Trieste, Italy	December 2022
<p><b>Languages:</b> Italian (Native), English (Fluent), Spanish (Conversational).</p> <p><b>Mathematical Tools:</b> Stochastic Analysis, PDEs, Fluid Dynamics, Numerical Analysis.</p> <p><b>Technical Skills:</b> Python, PyTorch, Jax, MATLAB, LaTeX.</p>		