Mathéo Tripnaux-Moreau

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Formal Education	
Université Côte d'Azur, Bachelor's Degree in General Computer Science	Oct 2024 – present
Pursued a standard cursus oriented towards computation theory. Specialized in Machine Learning, Formal tools and Low-level Programming; and was admitted selectively after my double degree.	
$\bullet \ Coursework: Algorithmics, Programming, Relational\ Algebra, Computation\ Theory$	
Aix-Marseille Université, Bachelor's Degree in Biology and Life Sciences	Nov 2024 – present
Completed partially remotely, alongside the Computer Science degree, in order to establish a robust knowledge base. Specialized in Molecular Dynamics and in Theoretical Biology.	
• Coursework : Cellular and Molecular biology, Metabolism, Classical and Quantum Physics	
Université Paris-Saclay, Double Bachelor's Degree in Computer Science & Biology	Sept 2023 – June 2024
$\bullet \ Coursework: Organic \ Chemistry, Thermodynamics, Bioinformatics, Linear \ Algebra, Calculus$	
Lycée Masséna, European Baccalaureate in General Pathway	Sept 2021 – June 2023
• Coursework : Computer Science, Life and Earth Sciences, Mathematics, English, French	
Informal Education	
G.TEC & BR41N.IO, Spring School in Neurotechnology and Brain-Computer Interfaces	May 2025
Université Côte d'Azur MECABIONIC, Spring School in Mechanobiology across fields	Mar 2025
Université Côte d'Azur LIFE, Winter School in Mitochondria in health, disease and aging	Dec 2024
Université Côte d'Azur, Free listener in Psychology	Sept 2022 – present
Followed Bachelor's Degree level courses in parallel with my personal cursus. Focused on relevant subjects such as neurobiology, statistics, cognitive and behavioral sciences or group sociology, and successfully passed all the attempted exams. No degree was delivered for this program.	
INRIA, Internship in Problem Solving and Algorithmics	Dec 2019
• Coursework : Graph Theory, Discrete Mathematics	
External Involvements	
President and Founder at Synapse Ecosystem	Jan 2025 – present
Founded and developed an ecosystem to centralize useful and independant tools, games or media.	
 Partenered with Google Developer Group and the Sophia Hack Lab Organized on-place Hackathon at Université Côte d'Azur, France 	
Team Leader at EFELIA 3IA Hackathon (Machine Learning)	Dec 2024
Presented a new Bayesian approach to solve the menstrual inference problem in mobile applications, and implemented a proof-of-concept toy model to demonstrate its efficiency.	
Dry lab Manager at Evry-Paris-Saclay Team for iGEM Competition	Aug 2024 – Nov 2024
Participated to the creation of PHAGEVO, an upgrade of the standard PACE system that allows inducing targeted mutagenesis to evolve proteins. Also built a deep learning model to implement a new approach to designing highly officient molecules in silica.	

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- Awarded a Gold Medal for the project.
 Ranked Top 10 Overgraduate Teams.
 Nominated for the Best Foundational Advance Project.