

# MATTIA TARABOLO



Date of birth: 14th June 1998

Nationality: Italian

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## EDUCATION

### PhD in Physics | Politecnico di Torino (Torino, Italy)

NOVEMBER 2022 – PRESENT

- Working on problems of optimization of inference on graphs using statistical physics' inspired methods.

### Master of Science programme in Physics of Complex Systems | Université Paris Cité (Paris, France)

SEPTEMBER 2021 – JULY 2022

- Mark: 17.6/20, Très Bien.
- Thesis title: "Bayesian variable selection for environment-dependent phylogenetic models of diversification".
- Ranked 1<sup>st</sup> out of ~ 60 students in the first semester, with an average of 18.6.
- Course taught entirely in English.
- Attended "Spring College in the Physics of Complex Systems" at ICTP during the second semester.
- Concluded an internship on Bayesian variable selection within phylogenetic diversification models at Morlon Lab (IBENS).

### Master of Science programme in Physics of Complex Systems | Politecnico di Torino (Turin, Italy)

SEPTEMBER 2020 – OCTOBER 2022

- Mark: 110/110 Cum Laude.
- Thesis title: "Bayesian variable selection for environment-dependent phylogenetic models of diversification".
- Admitted to the international track.
- Attended the first semester at SISSA and ICTP (Trieste, Italy), the second semester at Politecnico di Torino (Torino, Italy) and the third semester at Sorbonne Université, Université de Paris and Université Paris Saclay (Paris, France).
- Course taught entirely in English.
- Attended "Winter School on Quantitative Systems Biology: Quantitative Approaches in Ecosystem Ecology" at ICTP.
- Attended "Spring College in the Physics of Complex Systems" at ICTP
- Concluded an internship on Bayesian variable selection within phylogenetic diversification models at Morlon Lab (IBENS).

## **Bachelor of Science in Physics | Università degli Studi dell'Insubria (Como, Italy)**

SEPTEMBER 2017 – OCTOBER 2020

- Mark: 110/110 cum laude.
- Thesis title: "Generation of prime numbers from a random bit stream".
- Scholarship of excellence and merit.
- Collaborated with Prof. Massimo Caccia and his research team.

## **Scientific Studies High School Diploma | Liceo Scientifico Paolo Giovio (Como, Italy)**

SEPTEMBER 2012 – JULY 2017

- Mark: 100/100.
- Class representative student (AY 2013/14).
- Winner of the "Physics Olympics".



### **EXPERIENCES**

#### **Tutoring**

- Consolidated experience in tutoring students from elementary school to high school.

#### **Volleyball**

- Played in the C series.
- Won the C series regional championship (AY 2018/19), promoted in the B series national championship.

#### **Football referee**

- Refereed regional matches and championship finals.
- Refereed international tournaments.



### **SKILLS**

#### **Language**

- **Italian:** mother tongue.
- **English:** C1 level (IELTS Academic test, mark 7.5).
- **French:** elementary level.

#### **IT**

- **Software:** advanced user of MS Office Suite and LATEX.
- **Programming:** advanced user of Matlab and Python. Intermediate user of C++ and R.
- **Operating system:** intermediate user of Windows and Linux-based systems.
- **Graphics and editing:** intermediate user of Photoshop, Lightroom, Gimp and Vegas Pro.

#### **Personal**

- **Leadership and problem-solving:** matured as a referee.
- **Teamwork:** matured playing volleyball and working in teams during the Bachelor's degree and the internship.



### **HOBBIES AND INTERESTS**

- Photography.
- Travelling.
- Hiking.