

EDUCATION

- **Ecole Polytechnique** Palaiseau, France
Bachelor of Science in Mathematics and Physics
Extensive courses in Computer Science
September 2022 - Present
- **Lycée Louis-Le-Grand** Paris, France
French Baccalaureat, Highest Honors / "Mention Très Bien"
Concentrations: Mathematics with Higher Mathematics, Physics & Chemistry, Biology
Honorable mention at the IPhO French national selection test in June 2022
September 2020 - June 2022
- **Grand Lycée Franco-Libanais** Beirut, Lebanon
Honors award certificate in June 2019
September 2007 - June 2020

COURSES

- **Mathematics:** Analysis, Linear Algebra, Probability, Statistics, Convex Optimisation and Optimal Control, Stochastic Processes
- **Physics:** Mechanics, Electrodynamics, Wave Optics, Quantum Physics, High Energy Physics, Thermodynamics and Statistical Physics, Condensed Matter Physics
- **Computer Science:** Python I, Python II, Algorithms, Numerical Analysis, Web Programming, Object-Oriented Programming in C++, Machine Learning

EXPERIENCE

- **TriSpan LLP** New York City, United States
Private Equity Intern
July - August 2024
 - Streamlined Profit & Loss reporting by analyzing and simplifying financial statements.
 - Conducted financial modeling to value targets, including leverage buyout, public competitors, and precedent transactions analysis
 - Identified national investment opportunities and prepared detailed presentation decks.
 - Wrote and edited valuation reports for restaurants mostly owned by the company.
- **Laboratoire des Solides Irradiés (LSI) - École Polytechnique** Palaiseau, France
Research project in laboratory (physics)
January - June 2024
 - Conducted research in the field of nonlinear acoustics at the nanoscale
 - Applied advanced theoretical models to describe the complex dynamics of acoustic waves
 - Developed computational techniques to simulate and analyze the interactions of acoustic waves in realistic scenarios
- **Self-employed** Paris, France
Private instructor for high school and freshman students in mathematics and physics
October 2021 - June 2024
 - Provided private instruction to enhance academic performance or prepare for upcoming tests
 - Prepared lesson plans following a specific program according to students needs and goals
 - Developed teaching material, such as handouts and exercise sheets
- **BBP Real Estate Agency** Paris, France
Intern
June - July 2023
 - Assisted with the search of prospective real estate using several websites
 - Contacted agencies and individual owners to schedule apartment visits
 - Interacted with clients to find the property that meets their standards at most
- **Lycée Louis-Le-Grand** Paris, France
Student representative
September 2021 - June 2022
 - Represented my fellow classmates' interests as a constant link with the administration
- **Banque Misr Liban (BML)** Beirut, Lebanon
Banking Intern
February 2020
 - Assisted with customer engagement
 - Developed a solid and global understanding of the customer-employee relationship
 - Collaborated with employees to satisfy clients' requests

LANGUAGES

- **French:** native
- **Arabic:** native
- **English:** fluent
- **German:** B2
- **Spanish:** A2

SKILLS AND INTERESTS

- **IT:** Python (including libraries: numpy, pandas, scikit-learn, stats, matplotlib, tensorflow, keras, QuTiP), LaTeX, HTML, CSS, JavaScript, C++, R, MATLAB, Microsoft Word, Excel and PowerPoint
- **Online certifications:** MATLAB Onramp by MathWorks, Accounting & Financial Statement Analysis by Wall Street Prep

VOLUNTEERING

- **Participated in the *Race Against Hunger* in collaboration with *Action contre la Faim*:** 2015 - Present
- **Organized an awareness campaign about education in-partnership with *Action-Éducation* (formerly *Aide et Action*) on campus:** April 2023
- **President of the Mental Health committee, in charge of organizing the Mental Health Awareness Week:** May 2023 - September 2024