# Peter A. Sayegh

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## EDUCATION

- **Ecole Polytechnique** — Palaiseau, France
  *Bachelor of Science in Mathematics and Physics* — *September 2022 - Present*
  Supplementary coursework in Computer Science

- **Lycée Louis-Le-Grand** — Paris, France
  *French Baccalaureat, Highest Honors / "Mention Très Bien"* — *September 2020 - June 2022*
  **Concentrations:** Mathematics with Higher Mathematics, Physics & Chemistry, Earth and Life Sciences
  Honorable mention at the IPhO French national selection test in 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
  - Developped 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

## Technical skills and interests

- **Programming Languages**: Python, C++, R, MATLAB
- **Web Development and User Interface**: HTML, CSS, JavaScript, QML
- **Data Science and Machine Learning**: numpy, scipy, pandas, scikit-learn, statsmodels, matplotlib, tensorflow, keras
- **Physics**: QuTiP, Scikit-HEP, PySpice
- **Formatting**: LaTeX

## Online certifications

- **MathWorks**: MATLAB Onramp
- **Wall Street Prep**: Accounting & Financial Statement Analysis

## 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