Ahmad Rammal

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EDUCATION		
 MVA (Mathématiques, Vision, Apprentissage) - Master 2 Highly competitive renowned program in the field of mathematical model Relevant Coursework: Introduction to AGI Safety Theoretical foundations of Deep Learning Advanced learning for text and graph data Foundations of Distributed and Large Scale Computing Optimi 		
ECOLE POLYTECHNIQUE - Ingénieur Polytechnicien	2020 - 2023	
 High Distinction, GPA: 3.91/4 Merit scholarship for my 3rd -year academic performance (Year GPA: 3 Specialization in Applied Mathematics 	.96/4)	
SAINT JOSEPH UNIVERSITY - French preparatory classes MP* Ranked among top 1% in the faculty of engineering.	2018 - 2020	
RESEARCH EXPERIENCE		
King Abdullah University of Science and Technology Researcher in the group of Peter Richtàrik Nominated by Ecole Polytechnique for the best internship award.	Thuwal, Saudi Arabia April 2023 – October 2023	
 Contributed to two research papers for <u>AISTATS 2024</u>: Communication Compression for Byzantine Robust Learning: Led the research effort as the primary author. Paper available on arXiv: <u>arXiv:2310.09804</u> Correlated Quantization for Faster Non-convex Distributed Optimization: Paper available on arXiv: <u>arXiv:2401.05518</u> 	• :	
 Surf-Metrics Research Intern Research on the state of the art in the area of sentiment analysis. Designed a semi-supervised NLP model based on the theory of orthonor: Created a pipeline from scratch to scrape and analyse data in order to ev 	-	
SAINT JOSEPH UNIVERSITYTeaching assistant in MathematicsSep• Prepared students for Ecole Polytechnique's entrance exam.• Taught classes, prepared supervised homework, corrected students' pap	Beirut, Lebanon otember 2020 – January 2021 ers, and graded oral exams.	
SIDE PROJECTS		
	ember 2022 – December 2022 g variance reduction.	
Gram-Schmidt Model A semi-supervised approach applied on binary classification based on the t	June 2022 – September 2022 heory of orthonormal spaces.	
Image Classification and Segmentation Oc Second prize winner in Mckinsey's Quantum Black Hackathon at Ecole pol	ttober 2022 - November 2022 lytechnique.	
	SKILLS AND HOBBIES	

- Programming Python, , Java, SQL, Pytorch, Scikit-Learn, Flask, GitHub
- Languages English fluent, French fluent, Arabic native, German beginner.
- Extracurricular Board member of the students' council at Institut Polytechnique de Paris.
- Hobbies Calisthenics, guitar, cycling, meditation, reading.

EXTRACURRICULAR

Institut Polytechnique de Paris Students' Council

Off-Campus Event Officer

• Organizing off-campus events to enhance student engagement and community building.

• Collaborating with external partners and local businesses to secure sponsorships for events.

French Foreign Legion

Military Participant

- Physical, military, and leadership training.
- Field experience within the 4th foreign regiment

XPROJETS - The junior enterprise of Ecole Polytechnique.

Vice President

- Built XProjets' global strategy in collaboration with each member of the enterprise.
- Organizing "Congrès Régional du Printemps 2022" in collaboration with four junior enterprises.
- Negotiating with the school's administration to obtain the national student entrepreneur status for the members of XProjets.

Project Manager

- In charge of managing clients, recruiting qualified students to carry out assignments, and establishing the enterprise's proposal.
- · Signed two missions of a strategic and digital nature

X-LIBAN - The association of Lebanese students at Ecole Polytechnique

President

November 2021 – March 2023

- Managing the relation with the school's administration, the alumni association and the Lebanese associations in other schools.
- Raised a fundraising for the Lebanese students after Lebanon's financial crisis.
- Organized Lebanese themed events for Ecole polytechnique's students.
- Expanded the association size by including the Masters and Bachelors of the school.

Model United Nations (MUN) club

Club Member

- Weekly debating, public speaking training (2h/week), and study of international affairs
- Represented Ecole polytechnique at URJCmun 2022 Madrid conference

Palaiseau, France

October 2023 – Present

Castelnaudary, France

January 2023 – February 2023

October 2021 – December 2022

April 2021 – December 2022

Palaiseau, France

Palaiseau, France

September 2021 – February 2022

Palaiseau, France