Ayman Said (Rimah)

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Employment

09/2018–	**PhD**, *ENS Paris Saclay, Paris*.
09/2019–	**Teaching Assistant**, *Université de Paris Sud, Paris*.
09/2018– 09/2019	**Teaching Assistant**, *ENS Paris Saclay, Paris*.

Education

09/2018–	**ENS Paris Saclay**, *Paris*. Thesis:"On the regularity of the flow of the Euler system without Boundary"
09/2017– 06/2018	**Ecole Polytechnique-Université de Paris Sud- Paris Saclay**, *Paris*. Masters 2 in theoretical mathematics: M2 AAG, the Title of "Polytechnicien Engineer".
09/2014– 03/2017	**Ecole Polytechnique**, *Paris*. Generalist engineering diploma, Bachelors in mathematics and physics and Masters 2 in theoretical mathematics.
09/2013– 07/2014	**Classes préparatoires of lycée Hoche**, *Versailles*. Mathematics and Physics (MP*).

Funding

09/2018– 09/2021	**Doctoral Grant AMX, Ecole Polytechnique**.

Recent Preprints

1. **A geometric proof to the Quasi-linearity of the Water-Waves system and the incompressible Euler equations**, arXiv preprint, Submitted.
2. **On Paracompisition and change of variables in Paradifferential operators**, arXiv preprint, Submitted.
3. **Positive regularity results on the flow of one dimensional quasi-linear dispersive Burgers type equations and the Gravity-Capillary equations**, in preparation.

Teaching

2018–2019	**Integrated courses on functional Analysis, masters 1**, *ENS Paris Saclay, Paris*.
2018–2019	**Lectures on Distributions for Aggregation, masters 2**, *ENS Paris Saclay, Paris*.

Professional Experience

11/2017– 7/2018	**Memoir M2**, Paris. ○ Memoir M2 under the direction of Pr. Thomas Alazard working on the regularity of the flot associated to the Water Waves PDE.
3/2017– 09/2017	**Research Internship**, *IMPA, Rio, Brazil*. ○ Worked under the direction of Pr. Jose Espinar in the domain of minimal and constant mean curvature surfaces specifically on Alexandrov's Theorem and the spherical cap conjecture with special interest on the maximum principle for Elliptique PDE.
06/2016– 09/2016	**Actuarial Studies**, *AXA France, Paris*. ○ Survival studies of populations for special insurance products(classified).

10/2014– 04/2015	**Assistant Professor**, *Académie De Toulouse, Lycée de La Borde Basse*, *Toulouse*.
	○ Assistant Professor on the topics: Mathematics and Physics on an undergraduate level: first and second year of mathematical preparatory classes.
	○ Supervise the undergraduate student scientific projects.
	○ Assistant Teacher: Mathematics, Physics and English in High School.
09/2014– 10/2014	**Officer Cadet**, *French Army: École Polytechnique*, *France*.
	○ Officer Cadet.

Languages

Arabic	Mother tongue
French	Equivalent to a mother tongue.
Anglais	C1/C2 European language level(bilingual)

Computer skills

Langages	**Java, LaTeX, R, SAS**

Sports and Hobbies

Handball, sport fishing, playing the violin and oil painting;