Sarah Azouvi

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Driving license

Experience

September 2018 - Present	**Research Assistant**, University College London. Research on applied cryptography, game theory and distributed systems
June - May 2019	**Research Intern**, Facebook/Calibra. Research on consensus protocols
March - May 2019	**Research Consultant**, Protocol Labs. Research on consensus protocols
2017–2019	**Teaching Assistant**, University College London. Teaching assistant for a Beginner's Python course, Theory of Computation and Cryptocurrencies (MSc course) **Various**. Summer internships at Credit Suisse, CNRS, Thales Alenia Space, Tutoring

Education

Sept 2014–Present	**MRes + PhD Computer Science**, University College London. ○ PhD supervisor: Sarah Meiklejohn and George Danezis ○ Research interests: Applied Cryptography, Decentralized Systems, Game Theory ○ Scholarship granted by the EPSRC (Engineering and Physical Sciences Research Council) ○ Master of Research Dissertation: Anomaly Detection, Supervisors: George Danezis and Gianluca Stringhini
2013–2014	**MSc Financial Mathematics**, University College London, MSc Thesis : Stochastic Control with Lévy Dynamics. Grade : Distinction
2011–2013	**École Supérieure d'Electricité, Supélec**, *Paris*, One of the leading Engineering Grandes Ecoles in the fields of Electrical Engineering, Computer Science and Telecommunications, *GPA – 3.5/4.*
2008–2011	**Lycée Henri IV**, *Preparatory years for the highly competitive examination to the French "Grandes Ecoles" for scientific studies*, Paris. Mathematics Major

Computer skills

Programming	C++, java, Python, Matlab, R, Julia
Other	LaTeX, Unix, Microsoft Office, Maple, Ansys Maxwell, Simulink, SQL

Other Activities

Current	Mentor for Bitcoin workshops at the London Cryptoparty. Member of the following programming groups: Pyladies London, Women Who Code London, Geekettes, LeanIn (hands-on workshops, open-source contributions, and talks)
2012	In charge of partnerships with corporations for the Student's Union at Supélec (BCG, Thales, Société Générale,...). As part of assignment: head of organization of the yearly Career Fair in Supélec (500 students, 30 corporations), head of organization of Handicap Day with Starting Block charity.
2011-2012	Involved in the organization of Gala Supélec 2011 and 2012 (5000 people) as Communication Manager (find partnerships for the event)

Languages

French (mother tongue), English (fluent), Spanish (elementary)

Papers

SoK: Tools for Game Theoretic Models of Security for Cryptocurrencies, *Sarah Azouvi and Alexander Hicks*, Arxiv:1905.08595.

Betting on Consensus with Fantômette, *Sarah Azouvi, Patrick McCorry and Sarah Meiklejohn*, Under submission.

Incentives in Security Protocol, *Sarah Azouvi, Alexander Hicks and Steven Murdoch*, To appear in Proceedings of the Twenty-sixth International Workshop on Security Protocols.

SoK: Consensus in the age of Blockchains, *Shehar Bano, Alberto Sonnino, Mustafa Al-Bassam, Sarah Azouvi, Patrick McCorry, Sarah Meiklejohn and George Danezis*, Arxiv.

Egalitarian Society or Benevolent Dictatorship: The State of Cryptocurrency Governance, *Sarah Azouvi, Mary Maller and Sarah Meiklejohn*, The Fifth Bitcoin Workshop.

Who Am I? Secure Identity Registration on Distributed Ledgers, *Sarah Azouvi, Mustafa Al-Bassam, and Sarah Meiklejohn*, International Workshop on Cryptocurrencies and Blockchain Technology.