Denis Mazzucato

Postdoc

	Education
2024–Feb. 2025	Postdoc, Carmege Mellon University, Pittsburgh, PA (USA) Six months Postdoc position at CMU (& visiting NASA) with Corina Pasareanu
2020-Dec. 2024	Ph.D. , INRIA & École Normale Supérieure PSL, Paris (FR), supervised by Caterina Urban Static Analysis by Abstract Interpretation of Quantitative Program Properties
2015-Sep. 2020	
	Experiences and Awards
October 2024	Radhia Cousot Award, SAS 2024, Pasadena (USA), "Quantitative Static Timing Analysis"
Spring 2024	Fundings Award , Automated Reasoning Amazon Research Award, Amazon "Proving the Absence of Timing Side Channels in Cryptographic Applications" with Corina Pasareanu
August 2023	Summer School , Summer School Marktoberdorf, Marktoberdorf (DE) Scientific foundations and technologies for improving the quality and security of software
Summer 2022	Research intern , <i>Amazon</i> , Prime Video, London (UK) Six months internship project in Amazon Prime Video with Franco Raimondi and Bor-Yuh Evan Chang
Fall 2020	Exchange Program , <i>Vrije Universiteit</i> , Amsterdam (NL) Six months student exchange program
Summer 2018	Developer , <i>THRON</i> , Piazzola sul Brenta, Padua (IT) Quality Assurance, three months internship
	Programming languages Spoken languages
Fluent	Python, Scala, LaTeX Fluent English, Italian
	Assembly, Agda, C, C++, Haskell, Java, Lean, OCaml Known French, Dutch
	Work Interest
	Formal Verification, Security, Programming Languages, Software Development
	Research Service
Speaker	SAS 2021/22/24, NFM 2024, CSV 2023, Amazon 2022, MRG Imperial College London 2022, Antique Research Team 2021/22/23
Sub-Reviewer	CSV 2024, TACAS 2023, CAV 2021
Artifact Eval.	PLDI 2024, ECOOP 2024, TACAS 2023/24, CAV 2023, SAS 2022/23
Teaching Asst.	,
Teacher	Research Project at Master AIRE of Digital Sciences at Université Paris Cité (21h – 2023)
	Publications
SAS 2024	Quantitative Static Timing Analysis, hal.science/hal-04669723 <u>Denis Mazzucato</u> , Marco Campion, and Caterina Urban; Winner of the Radhia Cousot Award
NFM 2024	Quantitative Input Usage Static Analysis, doi.org/10.1007/978-3-031-60698-4_5 <u>Denis Mazzucato</u> , Marco Campion, and Caterina Urban
SAS 2021	Reduced Products of Abstract Domains for Fairness Certification of Neural Networks,

doi.org/10.1007/978-3-030-88806-0_15

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