

Gabriel Dahia

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<https://gdahia.github.io>

EDUCATION

Instituto de Matemática Pura e Aplicada (IMPA) <i>PhD, Mathematics</i> <i>Advisors:</i> Marcelo Campos & Robert Morris	2021 –
Federal University of Bahia (UFBA) <i>MsC, Computer Science</i> <i>Advisor:</i> Mauricio Pamplona Segundo	2019 – 2021 Average: 9.7/10
Federal University of Bahia <i>BsC, Computer Science</i> <i>Advisor:</i> Mauricio Pamplona Segundo	2015 – 2018 Average: 9.6/10

PUBLICATIONS

- L. Aragão, M. Campos, **G. Dahia**, R. Filipe, J.P. Marciano
An exponential upper bound for induced Ramsey numbers
arXiv:2509.22629, 2025
- M. Campos, **G. Dahia**, J.P. Marciano
On the independence number of sparser random Cayley graphs
J. London Math. Soc. (2024), 110: e70041
- L. Aragão, M. Collares, **G. Dahia**, J.P. Marciano
The diameter of randomly twisted hypercubes
European J. Combin. 124 (2025) 104078
- Computer vision**
- **G. Dahia**, M. Pamplona Segundo
Meta Learning for Few-Shot One-class Classification
AI 2021, 2(2), 195-208
- **G. Dahia**, L. Jesus, M. Pamplona Segundo
Continuous authentication using biometrics: An advanced review
WIREs Data Mining Knowl Discov. 2020; 10:e1365
- L. A. Barbosa, **G. Dahia** and M. Pamplona Segundo
Expression removal in 3D faces for recognition purposes
8th Brazilian Conference on Intelligent Systems (BRACIS), Salvador, Brazil, 2019
- **G. Dahia** and M. Pamplona Segundo
Automatic dataset annotation to learn CNN pore description for fingerprint recognition
arXiv:1809.10229, 2018
- **G. Dahia** and M. Pamplona Segundo
Improving fingerprint pore detection with a small FCN
arXiv:1811.06846, 2018

- **G. Dahia**, M. Santos and M. Pamplona Segundo
A study of CNN outside of training conditions
 2017 IEEE International Conference on Image Processing (ICIP), Beijing, China, 2017

EVENTS ATTENDED

- Graduate Summer School on Probabilistic and Extremal Combinatorics 2025
 IAS/PCMI
Teaching assistant
- 2nd Brazilian School of Combinatorics 2025
 Instituto de Matemática Pura e Aplicada (IMPA)
- COMB Summer School 2024
 Bernoulli Center for Fundamental Studies, EPFL
- 1st Brazilian Combinatorics Workshop 2024
 Federal University of Bahia (UFBA)
- 2nd Graph Theory in the Andes Workshop 2024
 Center for Mathematical Modeling (CMM), University of Chile
- 1st Brazilian School of Combinatorics 2023
 University of São Paulo (USP)
- 20th International Conference on Random Structures and Algorithms (RS&A2021/2022) 2022
 Institute of European Culture, Gniezno / Adam Mickiewicz University, Poznań

PROFESSIONAL EXPERIENCE

Doximity

- Senior Data Engineer 2025 –

Jusbrasil

- Staff Engineer II 2024 – 2025
- Staff Engineer 2023 – 2024
- Tech Leader 2020 – 2023
- Software Engineer 2019 – 2020

LANGUAGE SKILLS

- Portuguese: Native
- English: Fluent
- French: Intermediate
- German: Beginner