GustavoPenha

guzpenha10@gmail.com

about
28 years
Delft, NL

links
webpage
twitter
github
google scholar
linkedin

programming
Python, C++,
Spark, R

languages
portuguese
english

research

I am a research scientist at Spotify working with search and recommendation. My interests in information retrieval are representation learning, explainability & model understanding.

experience

2023-1–now	**Research Scientist**	Spotify - NL
	Research on search and recommendation problems.	
2022-6–8	**Research Intern**	Spotify - NL
	Research on query gen. for improving the retrievability of entities (CIKM'23).	
2021-5–8	**Applied Research Intern**	Amazon - US
	Research on explanations for Alexa, published 2 papers (CHI'22 & CHIIR'22).	
2015–2018	**Data Scientist**	Hekima - Brazil
	Machine learning and data science projects. Tech lead of 1M+ R$ project.	

selected publications

2023 — **Improving Content Retrievability in Search with Controllable Query Generation** — CIKM
Gustavo Penha, Enrico P, Maryam A, Alice W, Hugues B

2022 — **Pairwise Review-Based Explanations for Voice Product Search** — CHIIR
Gustavo Penha, Eyal Krikon, Vanessa Murdock

2022 — **Evaluating the Robustness of Retrieval Pipelines with Query Variation Generators** — Best paper award @ECIR
Gustavo Penha, Arthur Câmara, Claudia Hauff

2021 — **On the Calibration and Uncertainty of Neural L2R Models for Conv. Search** — EACL
Gustavo Penha, Claudia Hauff

2020 — **What does BERT know about books, movies and music? Probing BERT for Conversational Recommendation** — RecSys
Gustavo Penha, Claudia Hauff

2020 — **Curriculum Learning Strategies for IR** — ECIR
Gustavo Penha, Claudia Hauff

education

2018–2022	**Ph.D.**	TU Delft - NL
	Computer Science. *10 papers, 100+ citations and 150+ github stars.*	
2012–2018	**B.Sc. and M.Sc.**	UFMG - Brazil
	Computer Science. *MSc paper won best paper RU award at RecSys'20.*	