Gabriel Bénédict

gabriben.github.io

in Contact

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**Workshop
co-organization**

Generative Information
Retrieval @SIGIR 23

Reviewing

NeurIPS 23, AABI 23,
AISTATS 21 & 22,
MLRC 22

Awards

Best Paper Runner up
@Recsys22,
MVP 22 @IRLab

Talks

GenIR @ZetaAlpha
[recording]

GenIR & RecFusion
@Naver/AMLab/ADS

Sports

Ski-touring,
bouldering, tennis,
rugby

Languages

Native in French

Fluent in English,
German, Portuguese &
Swiss German

Good knowledge of
Hebrew, Dutch

Extracurricular

Robust Statistics
lecturer at Yeshiva
University NY

Statistical Consultant
for *Lionbase*

Co-president of *Club
de Lecture* HSG

Co-founder at *Mia*

Research Interests

A mix of theoretical and applied AI research. The main themes are optimization for neural networks (surrogate metrics as losses), (normative) diversity metrics for news recommendation, intent-satisfaction modelling, video-to-music AI and now diffusion. [Google Scholar 🎓]

Education

Oct. 20 - Present	**University of Amsterdam** *PhD candidate in AI for personalization*	AMSTERDAM, NL
2018 – 2019	**KU Leuven &** **Columbia University** *Master in Statistics (1st & 2nd year respectively)* *Magna Cum Laude* **Thesis** Digitizing and Reconstructing Kaplan Meier Survival Data – The survThief package	LEUVEN, BE NEW YORK, US
2012 – 2016	**Universität St Gallen [HSG]** *Bachelor in Economics* **Thesis** Debt Relief Efficiency 📄	ST GALLEN, CH

Experience

Oct. 20 - Present	**RTL NL** *Artificial Intelligence Researcher* **(i)** We started MusicFlow: a webapp for AI music recommendations for videos (music similarity, music labelling, video-to-music tasks). Hired 6 FTEs. **(ii)** Implementation @Videoland (SVOD) and @RTL-Nieuws: still-picking, survey design and diversity in news recommendation metrics **(iii)** We started Data-Academy – data-driven decisions across RTL.	AMSTERDAM, NL
Oct. 19 - Oct.20	**Bertelsmann** HAMBURG, GE / AMSTERDAM, NL / LYON, FR *Data Scientist at Gruner & Jahr and Bedrock* **(i)** Personalisation roadmap. **(ii)** News articles quality survey and scoring in production. **(iii)** Causal Inference with Bayesian structural time series models to assess impact of recommendation system.	
Aug. – Sep. 19	**Cambridge University** *Deep Learning Researcher* Self-supervised learning with autoencoders for genomics on UK BioBank	CAMBRIDGE, UK
Jul. – Sep. 18	**Cytel** *Statistician* Research and R-package development for adaptive non-parametric survival clinical trials	BARCELONA, ES
14 – 18	**Internships and Short Term Research** *Master Thesis Statistical Assistant at KUL* Structural Equation Modelling to model fear of terrorism	LEUVEN, BE
	Category Management Intern at Danone	ZURICH, CH
	Research Assistant at Institute of Political Science	ST GALLEN, CH
	Controlling and Finance Intern at Aeris Capital	ZURICH, CH
	Internal Audit at Adecco Group	ZURICH, CH
	Risk Management at Spinnaker Capital	SAO PAULO, BR

Publications

2023	RecFusion: A Binomial Diffusion Process for 1D Data for Recommendation. ***Gabriel Bénédict**, Olivier Jeunen, Samuele Papa, Samarth Bhargav, Daan Odijk, Maarten de Rijke*. @NeurIPS (under review)
2022	sigmoidF1: A Smooth F1 Score Surrogate Loss for Multilabel Classification. ***Gabriel Bénédict**, Hendrick Vincent Koops, Daan Odijk, Maarten de Rijke*. @TMLR
2022	Intent-Satisfaction Modeling: From Music to Video Streaming. ***Gabriel Bénédict**, Daan Odijk, Maarten de Rijke*. @TORS
co-first-author 2022	RADio–Rank-Aware Divergence Metrics to Measure Normative Diversity in News Recommendations *Sanne Vrijenhoek*,* ***Gabriel Bénédict****, *Mateo Gutierrez Granada, Daan Odijk, Maarten de Rijke*. @Recsys
2021	The University of Amsterdam at the TREC 2021 Fair Ranking Track. *Ali Vardasbi,* ***Gabriel Bénédict**, Shashank Gupta, Maria Heuss, Pooya Khandel, Ming Li, Fatemeh Sarvi*. @TREC