



# Gabriel Bénédict

gabriben.github.io	
 <b>Contact</b> gbndict@gmail.com	
<b>Nationalities</b> Swiss, French, Brazilian	
<b>Workshop co-organization</b> Generative Information Retrieval @SIGIR 23	
<b>Reviewing</b> NeurIPS 23, AABI 23, AISTATS 21 & 22, MLRC 22	
<b>Awards</b> Best Paper Runner up @Recsys22, MVP 22 @IRLab	
<b>Talks</b> GenIR @ZetaAlpha [recording]  GenIR & RecFusion @Naver/AMLab/ADS	
<b>Sports</b> Ski-touring, bouldering, tennis, rugby	
<b>Languages</b> <i>Native</i> in French  <i>Fluent</i> in English, German, Portuguese & Swiss German  <i>Good knowledge</i> of Hebrew, Dutch	
<b>Extracurricular</b> Robust Statistics lecturer at Yeshiva University NY Statistical Consultant for <i>Lionbase</i> Co-president of <i>Club de Lecture</i> HSG Co-founder at <i>Mia</i>	

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

## Experience

Oct. 20 - Present	<b>RTL NL</b> <i>Artificial Intelligence Researcher</i> (i) Started and co-lead 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	<b>Bertelsmann</b> <i>Data Scientist at Gruner &amp; Jahr and Bedrock</i> (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.	HAMBURG, GE / AMSTERDAM, NL / LYON, FR
Aug. – Sep. 19	<b>Cambridge University</b> <i>Deep Learning Researcher</i> Self-supervised learning with autoencoders for genomics on UK BioBank	CAMBRIDGE, UK
Jul. – Sep. 18	<b>Cytel</b> <i>Statistician</i> Research and R-package development for adaptive non-parametric survival clinical trials	BARCELONA, ES
14 – 18	<b>Internships and Short Term Research</b> <i>Master Thesis Statistical Assistant at KUL</i> Structural Equation Modelling to model fear of terrorism  <i>Category Management Intern at Danone</i>  <i>Research Assistant at Institute of Political Science</i>  <i>Controlling and Finance Intern at Aeris Capital</i>  <i>Internal Audit at Adecco Group</i>  <i>Risk Management at Spinnaker Capital</i>	LEUVEN, BE  ZURICH, CH ST GALLEN, CH ZURICH, CH ZURICH, CH SAO PAULO, BR

## Publications

2023	RecFusion: A Binomial Diffusion Process for 1D Data for Recommendation. <b>Gabriel Bénédict</b> , 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. <b>Gabriel Bénédict</b> , Hendrick Vincent Koops, Daan Odijk, Maarten de Rijke. @TMLR
2022	Intent-Satisfaction Modeling: From Music to Video Streaming. <b>Gabriel Bénédict</b> , Daan Odijk, Maarten de Rijke. @TORS
co-first-author 2022	RADio–Rank-Aware Divergence Metrics to Measure Normative Diversity in News Recommendations <i>Sanne Vrijenhoek*</i> , <b>Gabriel Bénédict*</b> , Mateo Gutierrez Granada, Daan Odijk, Maarten de Rijke. @Recsys
2021	The University of Amsterdam at the TREC 2021 Fair Ranking Track. Ali Vardasbi, <b>Gabriel Bénédict</b> , Shashank Gupta, Maria Heuss, Pooya Khandel, Ming Li, Fatemeh Sarvi. @TREC