Gabriel Bénédict

Contact

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Technical Expertise

</> Python, Java, R, Tensorflow, Keras, Pytorch, Airflow, AX, LaTeX, SAS, Stata, VBA, Lisp, C++, SQL, Stan, MATLAB

Dataiku, Salesforce, Nielsen, JMP, Office

Nationalities

Swiss, French, Brazilian

Sports

badminton, cycling, Krav Maga, skiing, swimming, rugby

Literature

Absurdism, philosophy

Languages

Native in French

Fluent in English, German, Portuguese & Swiss German

Good knowledge of Hebrew

Extracurricular

Robust Statistics lecturer at Yeshiva University

Statistical Consultant for *Lionbase*

Co-president of *Club de Lecture* HSG

Co-founder at *Mia*

Experience

Oct. 19 - present

Bertelsmann   HAMBURG, GE / AMSTERDAM, NL / LYON, FR
Data Scientist at Gruner & Jahr and Bedrock

</> AWS, GCP, Databricks, Airflow, Dataiku, Tensorflow, Pytorch, Keras, AX, MLFlow

Building a personalisation roadmap. Bayesian / Bandits testing (productioning with Airflow + AX.dev), reinforcement learning. Finetuning imageNets (CNNs, 3DCNNs) with custom heads and loss functions to create personalised stills and trailers (productioning with AWS + Databricks). Scoring of news articles by surveying 100 employees. Predicting article scoring by fine-tuning BERT on article texts (productioning with Airflow + GCP + Databricks). Causal Inference with Bayesian structural time series models to assess impact of recommendation system.

Aug. – Sep. 19

Cambridge University   CAMBRIDGE, UK
Deep Learning Researcher

</> Tensorflow, cron

Research in self-supervised learning with autoencoders for genomics. Training of -omics datasets, including UK Biobank with 50k respondents and millions of variables (Single Nucleotide Polymorphism) on Cambridge supercomputers. Establishment of a new baseline for Genome Wide Association (GWAS) studies, and for tabular data in general, against typical xgboost models, thanks to a multi-task multi-view perspective.

Jul. – Sep. 18

Cytel   BARCELONA, ES
Statistician

</> R, C++, Rcpp, Emacs

Research and R-package development for adaptive survival clinical trials : (1) mathematical derivation of the conditional power linked to non-parametric survival modelling with compounded outcomes, implementation of efficient matrix comparisons in C++ (2) digitization and reconstruction of Kaplan Meier survival plots with the combination of hough transforms and an iterative survival estimation process.

14 – 18

Internships and Short Term Research
Master Thesis Statistical Assistant at KUL   LEUVEN, BE
Structural Equation Modelling to model fear of terrorism
Category Management Intern at Danone   ZURICH, CH
Consumer and trade data analysis ; establishment of processes, eventual innovations and weekly briefings for the salesforce team of 7 employees roaming Switzerland and collecting data ; analysis and strategic decision making
Research Assistant at Institute of Political Science   ST GALLEN, CH
Research and written contribution to a quantitative paper on the democratic legitimacy of transgovernmental networks
Controlling and Finance Intern at Aeris Capital   ZURICH, CH
Backend software updates, monthly F&C Report updates, data cleaning, proposal and implementation of an automatization of monthly updates
Internal Audit at Adecco Group   ZURICH, CH
Working papers preparation, interviews, business processes and procedures analysis, audit reports composition
Risk Management at Spinnaker Capital   SAO PAULO, BR
Risk exposure calculation, history risk reports management and creation

Education

2018 – 2019

KU Leuven &   LEUVEN, BE
Columbia University   NEW YORK, US
Master in Statistics (1st & 2nd year respectively)
Magna Cum Laude

2012 – 2016

Universität St Gallen [HSG]   ST GALLEN, CH
Bachelor in Economics