



YOANN BOGET

Suisse (Genève), 10.10.1982

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www.github.com/yoboget

LANGUAGES

French (Native)
English (Fluent)
German (Very good, C1)
Spanish (Good, B1/B2)

REFEREES

Dr. Michael A. Kagan
Master Thesis supervisor
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Dr. Sofia Vallecorsa
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Dr. Clément Chevalier
Master Thesis supervisor
Insitute of statistics,
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HOBBIES

Lindy Hop (swing dancing)
Running (Trail, Marathon)
Beach Volley

CURRENT AND LATEST POSITIONS

- After having studied sociology and worked as **social scientist**, **communication manager** and **consultant**, I have decided to take up a new career by attending a **Master in Statistics** (ended in September 2019)
- I worked as intern at **SLAC National Laboratory, Stanford University**, under the supervision of Michael Kagan (Panofsky Fellow, located at CERN, Geneva) and have written there my Master Thesis.
- My Master Thesis **Adversarial Regression. Generative Adversarial Networks for Non-Linear Regression: Theory and Assessment** received the grade of 5.5/6.
- I have been selected to attend the **CERN OpenLab** Summer Student program where I developed a **Conditional** version of the **Progressive Generative Adversarial** Network for image completion
- I am currently working on valorizing the research done at CERN OpenLab writing an article. I have been invited to present the results at the last IXPUG Annual Conference in a talk entitled **Deep Learning for Satellite Imagery**.

DIPLOMA

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|-----------|---|
| 2017-2019 | Master in Statistics , University of Neuchâtel, Switzerland |
| 2007-2008 | Master in Sociology , EHESS, Paris, France |
| 2003-2007 | Bachelor and Master in Sociology , University of Geneva (4-years program, "Licence"), including one-year exchange program at the Freie Universität, Berlin |
| 2002 | High School Diploma (Maturité gymnasiale) , Geneva college (Option: Physics and applied mathematics) |

SKILLS IN DATA SCIENCE AND MACHINE LEARNING

Machine Learning

Expert Knowledge in Generative Adversarial Networks
Neural networks including CNN, RNN, VAE and GAN
Other common methods including: GMM, KNN, K-means clustering, (probabilistic) PCA, Random forest, classification tree, logistic regression, Naïve Bayes, Latent Dirichlet Allocation, etc.

Common statistical methods

Advanced Linear Regression (including probabilistic formulation), Generalized Linear Model, Non-linear Regressions, Time series, inferential analysis and test theory, Monte-Carlo and re-sampling methods, Bayesian statistics, etc.

ML and Stat. Programming

Favorite: PYTHON including: Numpy, Pandas, Matplotlib, SciPi, Textblob, PyTorch, Tensorflow

Big Data environment

Most common statistical software including: R, MATLAB/OCTAVE, SAS, Open/LibreOffice Calc, MSExcel
Hadoop: HDPS, Yarn, Map Reduce. Spark (MLlib, SQL, Stream, GraphX)

More

Object-Oriented Programming. Java. CLI: Bash. \LaTeX

EXPERIENCES AND SOFT SKILLS

Responsibility and autonomy

Communication Manager, Green Party, Geneva, 2014-2016
General Secretary, Conference of the student association (University Geneva), 2005-2006

Excellent communication

Research assistant, EHESS, Paris, 2008-2011
Lecturer (ATER) at University of Avignon (France) 2011-2013
Teaching assistant : ENSAE, Paris 12 Est Créteil, Paris 13 Nord, 2010-2011

Team-working skills

Dance Teacher (Lindy Hop), Geneva, 2016-2019
Consultant in participatory process, Meyrin, 2016
Member of the Geneva University Counsel, 2007
Multiple students, sportive, cultural associations commitments, including youth parliament President, international swing festival committee, scientific conference organization, etc. (full list on demand)