Simon **Zabrocki**

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Education

Technische Universität München
MSc in Mathematics for Data Science

Munich, Germany
2019–2020

- Received a 15k€ excellence scholarship from the DAAD to pursue the master.

École Polytechnique
MSc in Applied mathematics and Bachelor in engineering

Paris, France
2016–2019

- Best engineering "Grande École" in France

Lycée Kléber PC*
Classe Préparatoire

Strasbourg, France
2014–2016

- Two years intensive undergraduate course in Physics and Mathematics.

Work experience

Global Green Growth Institute
Analyst, Data Scientist

Seoul, South Korea
July 2020 -

- Designed and deployed dashboards to allow policy makers exploring Green Growth data and Index.
- Developed an online policy simulation tool including statistical and mechanistic economic forecasting models.
- Supervised and trained team members in modeling and coding best practices.

HawaDawa (Air quality management)
Data Scientist (Part Time)

Munich, Germany
February 2020 - July 2020

- Implemented, deployed and maintained forecasters to predict pollution levels in multiple European cities.

Sanofi, Biologics Development R&D
Data Scientist

Boston, USA
April 2019 - August 2019

- Implemented hybrid System Dynamics/Machine Learning models to support cell culture development.
- Organized courses on data science and python.

Manatal (Applicant tracking system)
Python developer

Bangkok, Thailand
June 2018-August 2018

- Applied unsupervised machine learning to segment professional profiles of 10k applicants.
- Implemented and maintained web scrapers to collect data from social media platforms.

Bac Ninh high school for gifted students
Teacher

Bac Ninh, Vietnam
October 2016-April 2017

- Taught physics, mathematics and English to province's top students.

Skills

Python & R	Pandas, Numpy, Scikit-Learn, Pytorch, Tensorflow, Dash, dyplyr
IT skills	Git, SQL, bash, Docker, LaTex, Office
Languages	French (native), English (fluent), German (basic)
Soft skills	Public speaking, Problem solving, Organizing, Reporting

Projects

Master thesis: Machine learning for genetic risk prediction
TUM/Helmholtz Zentrum

- Developed an approach to assess genetic risks using deep variational models.