



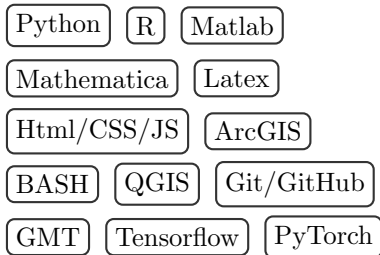
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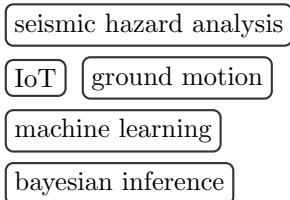
## Programming



## Languages

German ★★★★★  
English ★★★★★  
Italian ★★★★★  
French ★★★★★

## Expertise



## Certificates

### Tensorflow

Developer, Data and Deployment,  
Advanced Techniques, Generative  
Adversarial Networks (GANs)

## Interests



# Silvio Schwarz

Geophysicist (B.Sc.)

## Education

- 2011 - 2019 (8 years) **Master of Science** **Earth Sciences** **Focus: Geophysics, machine learning** **Thesis:**  
1) Forecasting Macroseismic Intensities: A Sensitivity Study of a Bayesian Approach 2014-2016  
2) Classification of eruptive tremor sources during the 2014-2015 Holuhraun sequence, Iceland 2019 **Universität Potsdam**  
cancelled due to illness
- 2008 - 2011 (3 years) **Bachelor of Science** **Earth Sciences** **Geology, Math, Physics, Chemistry** **Thesis:**  
Simulation von Bodenbewegungsszenarien von Starkbeben (German) **Universität Potsdam**
- 2000 - 2008 (8 years) **Abitur** **Math, Geography** **Thesis:**  
Naturkatastrophen und ihr Einfluss auf das Leben in der Gegenwart (German) **Klosterschule Roßleben (staatl. Gymnasium)**

## Experience

- 2019 (6 months) **Student Researcher** **General Geophysics Group** **Characterizing tremor sources during the Holuhraun eruption, Iceland** **Supervision: Prof. Dr. Eva Eibl** **Universität Potsdam**
- 2014 - 2015 (11 months) **Student Trainee** **Documentation of the power grid of Berlin, Germany for Vattenfall Europe Sales GmbH** **Assecor GmbH, Berlin, Ger**
- 2013 - 2014 (5 months) **Student Trainee** **Migration of the IT Infrastructure for BIOTRONIK SE & Co. KG** **Assecor GmbH, Berlin, Ger**
- 2012 (3 months) **Master Internship** **Development of geophysical content for Wolfram | Alpha** **Supervision: Dr. Björn Zimmermann & Dr. Michael Trott** **Wolfram|Alpha, Illinois, USA**  
Example
- 2011 - 2012 (1 year 3 months) **Student Researcher** **SSHAC LEVEL 3 PSHA model building and consulting** **1 week consulting for Prof. Julian J. Bommer, Imperial College London** **Supervision: Prof. Frank Scherbaum** **Universität Potsdam**
- 03/2011 (1 month) **Bachelor Internship** **Maintenance of the seismological Network of Saxony** **Supervision: Dipl. Geophys. S. Funke** **Universität Leipzig**

## Projects

### EQDist

Calculation and visualization of source-to-site distances for ground motion modelling

### TerremotoPi

A RaspberryPi powered seismic station with real-time capabilities

### TerrorXAfrica

IBM cross-border effects challenge of armed conflicts at [HackHPI2019](#)