



📍 Potsdam, Germany

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Programming



Python R Matlab

Mathematica Latex

Html/CSS/JS ArcGIS

BASH QGIS Git/GitHub

GMT

Languages

German ★★★★★

English ★★★★★

Italian ★★★★★

French ★★★★★

Expertise

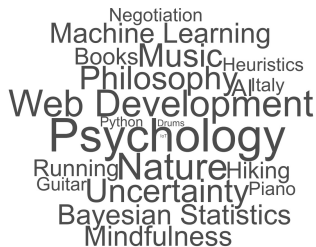
seismic hazard analysis

IoT ground motion

machine learning

bayesian inference

Interests



Silvio Schwarz

Geophysicist (B.Sc.)

Education

10/2011 - 10/2019
(5 months)

🎓 **Master of Science¹**

Universität Potsdam

Earth Sciences

Focus: Geophysics, machine learning

Thesis:

1) Forecasting Macroseismic Intensities: A Sensitivity Study of a Bayesian Approach¹ 2014-2016

2) Classification of eruptive tremor sources during the 2014-2015 Holuhraun sequence, Iceland¹ 2019

¹ cancelled due to illness

10/2008 - 09/2011
(5 months)

🎓 **Bachelor of Science**

Universität Potsdam

Earth Sciences

Geology, Math, Physics, Chemistry

Thesis:

Simulation von Bodenbewegungsszenarien von Starkbeben (German)

08/2000 - 05/2008
(5 months)

🎓 **Abitur**

Klosterschule Roßleben (staatl. Gymnasium)

Math, Geography

Thesis:

Naturkatastrophen und ihr Einfluss auf das Leben in der Gegenwart (German)

Experience

05/2019 - 10/2019
(6 months)

Student Researcher

U Potsdam

Genral Geophysics Group

Characterizing tremor sources during the Holuhraun eruption, Iceland

Supervision: Prof. Dr. Eva Eibl

08/2014 - 06/2015
(11 months)

Student Trainee

Assecor GmbH, Berlin, Ger

Documentation of the power grid of Berlin, Germany for Vattenfall Europe Sales GmbH

11/2013 - 03/2014
(5 months)

Student Trainee

Assecor GmbH, Berlin, Ger

Migration of the IT Infrastructure for BIOTRONIK SE & Co. KG

09/2012 - 11/2012
(3 months)

Master Internship

Wolfram|Alpha, Illinois, USA

Development of geophysical content for Wolfram | Alpha [Example](#)

Supervision: Dr. Björn Zimmermann & Dr. Michael Trott

06/2011 - 08/2012
(1 year 3 months)

Student Researcher

U Potsdam

SSHAC LEVEL 3 PSHA model building and consulting

1 week consulting for Prof. Julian J. Bommer, Imperial College London

Supervision: Prof. Frank Scherbaum

03/2011 - 04/2011
(1 month)

Bachelor Internship

U Leipzig

Maintanance of the seismological Network of Saxony

Supervision: Dipl. Geophys. S. Funke

Projects

EQDist

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

TerrorXAfrica

interactive visualization of armed conflicts across Africa created during the 22h hackathon [HackHPI2019](#) for the IBM cross-border effects challenge