



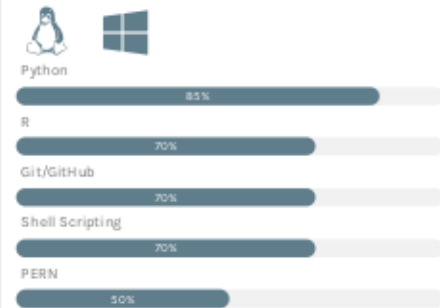
Silvio Schwarz

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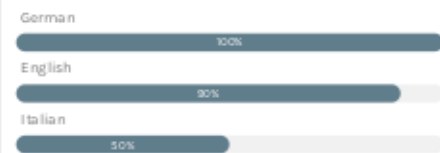
Expertise

ground motion seismology ArcGIS QGIS
machine learning PERM probability

Skills



Languages



Certificates

Tensorflow
Developer, Data and Deployment,
Advanced Techniques, GANs, NLP, MLOps
Google
Google IT Support
Stanford University
Machine Learning
IBM
IBM Full Stack-Cloudentwickler

Interests



Work Experience

Student Researcher May 2019 - Oct 2019 Classification of eruptive tremor sources of Holuhraun sequence, Iceland <ul style="list-style-type: none">signal processing of earthquake datafingerprinting seismograms of tremor with the FAST algorithm	Universität Potsdam
Student NIS Specialist Aug 2014 - Jun 2015 maintenance of power grid documentation for Vattenfall Europe Sales GmbH <ul style="list-style-type: none">topographically correct data entry in Smallworld GISsuccessfully resolved conflicts in documentation	Assecor GmbH, Berlin
Student System Administrator Nov 2013 - Mar 2014 migration of IT Infrastructure to Windows 7 for BIOTRONIK SE & Co. KG <ul style="list-style-type: none">remote client upgrade to Windows 7roll-out of update packages via remote servermaintenance and upgrade of hardware components	Assecor GmbH, Berlin
Internship R&D Sep 2012 - Nov 2012 develop geophysical content for Wolfram Alpha Click for Demo <ul style="list-style-type: none">collaborative development by using version control in Eclipseinteractive calculation of seismic magnitude scales, earthquake characteristics, ground motion prediction and response spectra	Wolfram Alpha, Champaign, USA
Student Researcher Jun 2011 - Aug 2012 seismological consulting for Council for Geoscience, Pretoria, South Africa <ul style="list-style-type: none">interactive calculation of source-to-site distances of earthquakesestablished two new source-to-site metrics1 week consulting for Prof. Julian J. Bommer, Imperial College London	Universität Potsdam
Internship Mar 2011 maintenance of the seismological network of Saxony <ul style="list-style-type: none">configuration of ISDN routers through minicom/hyperterminalon-site collection of seismological data and maintenance of stationsprocessing of 2010 Maule Earthquake data of Dr. Klaus Bataille, Chile	Universität Leipzig

Education

GIS and Webmapping Feb 2022 - Sep 2022 ArcGIS, QGIS, Webmapping <ul style="list-style-type: none">Georeferencing, Vector-/Rasterdata, Maplayout, AutomationPyQGIS, Plugin Creation, working with PostgreSQL/PostGISHTML, CSS, JavaScript, PHP, openLayers, LeafletJS, GeoServer	GIS Akademie Berlin
Master of Science - Earth Science Oct 2011 - Sep 2019 Geophysics - 90/120 LP abgeschlossene Studienleistung <ul style="list-style-type: none">Internship: Wolfram Alpha 20121 Thesis: Sensitivity Study of a Bayesian Approach 2014-20162 Thesis: Classification of tremor sources during the Holuhraun sequence, Iceland 2019	Universität Potsdam
Bachelor of Science - Earth Science Oct 2008 - Sep 2011 Geologie, Mathematik, Physik, Chemie <ul style="list-style-type: none">Internship: Universität Leipzig 2011Abschlussarbeit: Simulation von Bodenbewegungsszenarien von Starkbeben	Universität Potsdam

Projects

Terror X Africa 2019 22h hackathon: IBM cross-border effects challenge on armed conflicts	HackHPI about :/social.good
TerremotoPi 2015 - current seismic station with real-time capabilities bases on a Raspberry Pi	