MICHAEL REICHMANN
Doctor of Sciences

@ micha.reichmann@gmail.com ☎ 797575242
🔗 michareichmann   ⌨ michareichmann
ⓘ 0000-0002-6220-5496

LIFE PHILOSOPHY

"Ultimately real is only the present moment of physical efficiency."

STRENGTHS & SKILLS

Analytical thinking

Fast-learning: learned C++ in a few month

Data analysis: ~ 10 TB of binary files

Team work: leading group of experiment

Software development: setup framework controlling and analysing data

Persuasive   Structured

Python	●●●●○
C++	●●●○○
Neural Networks	●●○○○
LaTeX	●●●○○
MS Office	●●○○○

LANGUAGES

German	native	●●●●●
English	C2	●●●●●
Russian	B2	●●●○○
Polish	B1	●●○○○
French	A2	●○○○○
Spanish	A1	●○○○○

EDUCATION

PhD in Particle Physics @ **ETH Zürich**
📅 February 2016 – March 2023

Deep Learning, Neural Nets and Tensorflow2 in Python @ **Udemy**
📅 April 2023 – May 2023

DETAILS

Address:	Lipowa 22/9, 53–124 Wrocław
Nationality:	German
Birth Date:	12/15/1988

PROFILE

Passionate physicist with seven years experience in object-oriented programming with python and C++; experienced in leading small teams of researchers. Led the course from building a detector to testing it up to creating a software framework to analyse and display the final data. I am a very dedicated individual and a keen learner, who always wants to cover new fields of knowledge. With my broad abilities and good social skills I will excel in your company.

EXPERIENCE

Doctoral Student
ETH Zürich
📅 February 2016 – March 2023   📍 Zürich, CH
- researched and developed a detector in high energy physics for the Large Hadron Collider (LHC)
- lead experiments for fundamental research
- developed data-acquisition and measurement operating application
- developed analysis software for the data using python and C++
- built website for visualisation of the data

Time-work @ **Hirschvogel Aluminium GmbH**
📅 May 2012 – August 2012   📍 Marksuhl, DE
- forged running gear components from aluminium blanks

Customer Support @ **Arvato Digital Services**
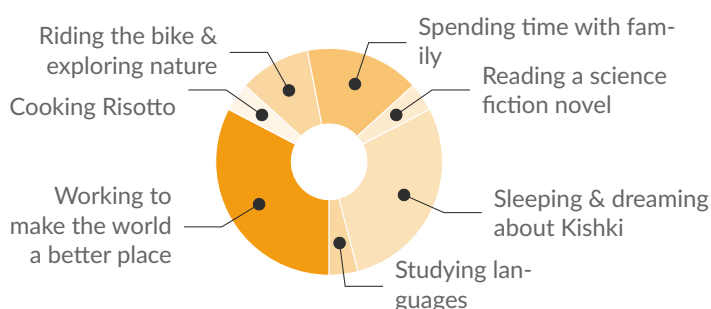📅 May 2011 – September 2011   📍 Scarborough, CA
- German and English in-game support for the online game RIFT

Researcher @ **Millennium Research Group**
📅 February 2011 – March 2011   📍 Toronto, CA
- conducted a market survey on MRI- & ultrasonic devices

A DAY OF MY LIFE

Riding the bike & exploring nature

Cooking Risotto

Spending time with family

Reading a science fiction novel

Sleeping & dreaming about Kishki

Studying languages

Working to make the world a better place

PUBLICATIONS

👥 Conference Proceedings

- Reichmann, M et al. (2019). "Beam test results of 3D pixel detectors constructed with poly-crystalline CVD diamond". In: Proceedings of XXIX International Symposium on Lepton Photon Interactions at High Energies — PoS(LeptonPhoton2019). DOI: 10.22323/1.367.0080.
- – (2019). "New test beam results of 3D and pad detectors constructed with poly-crystalline CVD diamond". In: Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, p. 162675. DOI: 10.1016/j.nima.2019.162675.
- – (2018). "Diamond Detector Technology: Status and Perspectives". In: vol. EPS-HEP2017. PoS, 516. 10 p. DOI: 10.22323/1.314.0516.