

# MICHAEL REICHMANN

## PhD Particle Physics

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## EXPERIENCE

### Doctoral Student

#### ETH Zürich

February 2016 – Ongoing Zürich, CH

- date of defence: March 2022
- researched and developed a future 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++
- setup website for visualisation of the data
- taught university students

### Timework

#### 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

- supported German and English speaking customers playing the online game RIFT

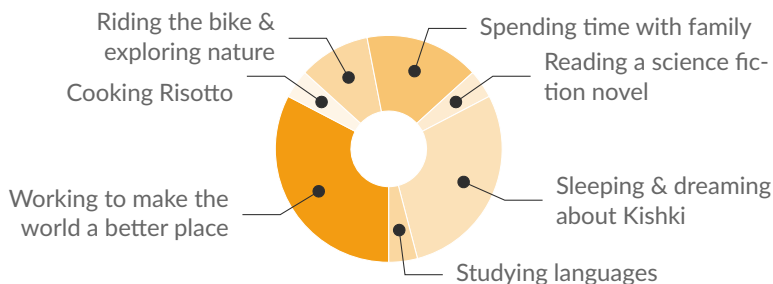
### Researcher

#### Millennium Research Group

February 2011 – March 2011 Toronto, CA

- conducted a market survey on MRI- & ultrasonic devices

## A DAY OF MY LIFE



## LIFE PHILOSOPHY

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

## STRENGTHS & SKILLS

Analytical thinking Fast-learning  
Data analysis Team work  
Software development Leading groups  
Electronic engineering  
Persuasive Structured

### Python

C++

MATLAB



### ROOT

L<sup>A</sup>T<sub>E</sub>X

MS Office



## LANGUAGES

German

English



Russian

Polish



French

Spanish



## EDUCATION

### MSc ETH in Physics

#### ETH Zürich

September 2012 – September 2015

### B.S. in Physics

#### Friedrich-Schiller-Universität Jena

July 2007 – December 2010

# PUBLICATIONS

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## Journal Articles

- Reichmann, M. et al. (2020). "Signal Behaviour of Poly-Crystalline CVD Diamonds on Incident Particle Flux". In: *Yet to come...* 43 (3), pp. 251–263.

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## 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.