

Rafael Schultze-Kraft

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Hasenheide 56, 10967 Berlin, Germany

[github](#) • [linkedin](#)

Data Scientist specialized in data modelling, machine learning, big data,
and software engineering

Professional Experience

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| Since Jan 2016 | Data Scientist & Software Engineer at WATTx , Berlin, Germany
<i>Data modelling, machine learning, DevOps, and software engineering tasks in multiple IoT-related projects involving small and big data. Core Technologies: Python, Golang, Docker, AWS, Spark</i> |
| Feb 2015 - Dec 2015 | Software Developer & Data Scientist at Resmio , Berlin, Germany
<i>Responsible for data modelling/analysis for actionable insights, web development, and using machine learning to build an automatic AdWords system for small and medium sized budgets for the gastronomy sector</i> |
| Aug 2013 - Jan 2015 | Data & Research Scientist at Eyequant , Berlin, Germany
<i>Development and improvement of EyeQuant's attention prediction technology, Development of EyeQuant's visual clarity prediction technology, Software development, Development of web applications and online experiments, Machine Learning in Python, Advanced data analysis and modelling, Image processing</i> |
| Apr 2013 - Jul 2013 | Software Developer Intern at Enthought , Cambridge, UK
<i>Development of an interactive software application for the analysis and visualization of time-series data in Python using Traits, Chaco, and Pandas</i> |

Education

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| 2009-2013 | MSc, Computational Neuroscience , Bernstein Center for Computational Neuroscience Berlin, Berlin Institute of Technology, Germany
<i>Thesis: Cooperating Brains: Joint Control of a Dual Brain-Computer-Interface (with distinction)</i> |
| 2005-2009 | BSc, Cognitive Science , University of Osnabrueck, Germany
<i>Thesis: Cross-Age and Image Category Differences in Visual Attention (with distinction)</i> |

Languages

- German: Mother tongue
- Spanish: Mother tongue

- English: Fluent
- French: Basics

Technical Skills

- Advanced programming and machine learning expertise in **Python**
- Advanced experience with Big Data using **Spark**
- Advanced DevOps and infrastructure experience on **AWS**
- Further language skills: **Golang, Matlab, R, JavaScript**
- Version Control with **Git / Github**
- Advanced experience with the **Unix** shell
- Web development in **Flask, JavaScript, HTML, CSS**

Publications

- Wenzel M, Schultze-Kraft R, Meinecke F, Cardinaux F, Kemp T, Müller KR, Curio G, Benjamin Blankertz B. *EEG-based usability assessment of 3D shutter glasses*, Journal of Neural Engineering 13:1, 2016, <http://stacks.iop.org/1741-2552/13/i=1/a=016003>
- Schultze-Kraft R*, Görden K*, Wenzel M, Haynes JD, Blankertz B. Cooperating Brains: *Joint Control of a Dual-BCI*, Conference Contribution, International BCI Meeting 2013, Pacific Grove, California, USA, 2013
- Açık A, Sarwary A, Schultze-Kraft R, Onat S and König P (2010). *Developmental changes in natural viewing behavior: bottom-up and top-down differences between children, young adults and older adults*, Front. Psychology 1:207. doi: 10.3389/fpsyg.2010.00207

Further Skills

- Languages
 - German: Mother tongue
 - Spanish: Mother tongue
 - English: Fluent
 - French: Basics

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