

Dr.
**Johannes
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[GitHub Portfolio](#)




Skills

- ◆◆◆◆◆ Data Analysis
- ◆◆◆◆◇ Python
- ◆◆◆◆◇ Data Science Toolbox
- ◆◆◆◆◇ Automated Data Wrangling
- ◆◆◆◆◇ C#, LabVIEW
- ◆◆◆◆◇ Machine Learning
- ◆◆◆◆◇ PHP, SQL
- ◆◆◆◆◆ Analytical Thinking
- ◆◆◆◆◆ Interdisciplinary Team Player

Education

Dr. rer. nat. Physik 
FAU Erlangen-Nuremberg
2008 – 2013

M. Sc. Molecular Science 
FAU Erlangen-Nuremberg
2002 – 2007

Languages

- ◆◆◆◆◆ German (native)
- ◆◆◆◆◆ English
- ◆◆◆◆◇ French

Honorary work & Successes



Vice President
German Frisbee Sport Federation, since 2018



European Champion
Ultimate Frisbee Master Mixed Beach, 2019



World Champion
Ultimate Frisbee Mixed Beach, 2015

Work Experience

Quality Engineer Electronics

since 12/2019

Buehler Motor GmbH

- Quality assurance of hardware and software development
- Root-cause analysis of electronics failures
- Data analysis of end of line tester data of series production line and circuit board production line with statistical and machine learning methods

Supplier Quality Engineer Electronic Devices

10/2017 – 11/2019

Buehler Motor GmbH

- Monitoring and tracking of electronic devices suppliers
- Root-cause analysis of electronics failures
- Data analysis of end of line tester data of circuit board production line with statistical and machine learning methods
- Implementation of processes for semiconductor management

Project Leader

04/2015 – 09/2017

Fraunhofer IISB

- Project management and customer acquisition (Asia)
- Supervision and problem solving of semiconductor clean-room processing
- Design, process planning and characterization of electronic devices
- Development of automated data analysis tools using Excel and VBA

Operating Manager

11/2013 – 04/2014

Entsorgungszentrum Franken GmbH

- Evaluation of analysis data and quality assurance
- Strategic alignment and customer acquisition
- Technical and disciplinary leader

Scientist

01/2008 – 06/2013

Applied Physics, FAU Erlangen-Nuremberg

- Development of an automated data analysis tool with LabVIEW, Origin and C; significant speed up of data analysis in multiple projects
- Process development and characterization of organic semiconductors
- Synthesis and characterization of ion gels

1st Level Support

04/2007 – 08/2007

RRZE, FAU Erlangen-Nuremberg

- Creation of documentation and tools with HTML, JS, Perl and CSS

International Experience

Invited guest scientist

08/2011 – 10/2011

*Department of Chemical Engineering and Materials Science
University of Minnesota, Minneapolis, USA*

Master Thesis

02/2006 – 07/2006

European Synchrotron Radiation Facility, Grenoble, France

- Pattern analysis of detector images with FIT2D

US Highschool

09/1999 – 05/2001

*Tilton School, Tilton, New Hampshire, USA
Induction in „Cum Laude Society“*


Certificates

Machine Learning A-Z 
SuperDataScience / Udemy

05/2020

Data Science A-Z 
SuperDataScience / Udemy

04/2020

Object-orientierted Programming in C# 
*Best final project (100%)
Alfatraining*

07 – 09/2014

LabVIEW Associate Developer 
RRZE, FAU Erlangen-Nuremberg

07/2012