

## Dr. Johannes Schoeck

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[GitHub Portfolio](#)



### Skills

◆◆◆◆ Data Analysis  
◆◆◆◆ Python  
◆◆◆◆ Automated  
◆◆◆◆ Data Wrangling  
◆◆◆◆ Pandas, sk-learn, Keras  
◆◆◆◆ Machine Learning  
◆◆◆◆ C#, LabVIEW, PHP  
◆◆◆◆ SQL  
◆◆◆◆ Analytical Thinking  
◆◆◆◆ Interdisciplinary  
◆◆◆◆ Team Player

### Education

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

M. Sc. Molecular Science ↓  
FAU Erlangen-Nuremberg  
2005 – 2007

B. Sc. Molecular Science ↓  
FAU Erlangen-Nuremberg  
2002 – 2005

### Languages

◆◆◆◆ German (native)  
◆◆◆◆ English  
◆◆◆◆ French

### Honorary work & Successes



Vice President  
German Frisbee  
Federation, since 2018



Gold Medal  
Ultimate Frisbee  
WCBU 2015 & EBUC 2019

## 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 (Python, Pandas, Numpy, Scikit-learn, Tensorflow, Keras)

### 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 (Python, Pandas, Numpy, Scikit-learn)
- 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 (Excel/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

## 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-orientiert Programming in C# ↓  
Best final project (100%)  
Alfatraining

07 – 09/2014

LabVIEW Associate Developer ↓  
RRZE, FAU Erlangen-Nuremberg

07/2012