Nikolas Rieble

Date of Birth:	20.7.1988
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WORK EXPERIENCE

- **Hilti GmbH Industriegesellschaft für Befestigungstechnik** Kaufering, Germany
  Production Technology Expert Aug. 2018 - present
  - Smart Factory architecture: Design of a modular system from data acquisition to reporting (Zenon, C#, SQL, PowerBI)
  - Project Management: evaluation and implementation of Industry 4.0 use cases

- **Machine Learning/Intelligent Data Analysis Group, TUB** Berlin, Germany
  Student Researcher (80 h/month) Apr. 2017 - Mar. 2018
  - Brain Computer Interface: Implementation of EEG data analysis with a focus on supervised source extraction

- **Department of Production Systems, Fraunhofer IPK** Berlin, Germany
  Student Researcher (80 h/month) Sep. 2016 - Mar. 2017
  - Condition Monitoring: Classification of multidimensional time-series from production systems

- **Department of Machine Tools and Factory Management, TUB** Berlin, Germany
  Student Researcher (80 h/month) Nov. 2015 - Aug. 2016
  - Real-Time Stream Monitoring: Implementation and evaluation of pattern recognition algorithms

EDUCATION

- **M.Sc. Computational Engineering Science** Berlin, Germany
  Technical University of Berlin Oct. 2015 – Jun. 2018

- **B.Sc. Psychology** Vienna, Austria
  University of Vienna Oct. 2013 – Sep. 2015

- **B.Sc. Mechanical Engineering** Stuttgart, Germany
  Technical University Stuttgart Aug. 2009 – Mar. 2014

PROJECTS

- **Computer Vision**: Random Ferns for Object Recognition in PolSAR radar images (Python)
- **Operations Research**: Processing Radioactive Waste in the US - A mathematical model (GAMS)
- **Robotics**: Reconstruction of a robots environment using the Kinect Camera (ROS, Python)

COMPUTER LITERACY

- **Programming**: Python (including: numpy, pandas, scipy, sklearn), C#, Matlab, SQL
- **Dev Tools**: Git, Bamboo

Munich, 04.03.2019