

# Nikolas Rieble

Date of Birth: 20.7.1988  
Place of Birth: Freiburg, Germany  
Email : nikolas-rieble@protonmail.com  
Mobile : +49 172 1811 209



## 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

## 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
- **Student organization AIESEC (volunteer work)** Stuttgart, Germany  
Member of the Local Committee board Nov. 2009 - Jan. 2011

## PROJECTS

---

- **Computer Vision:** Random Ferns for Object Recognition in polarimetric synthetic aperture radar images (Python)
- **Operations Research:** Processing High-Level Radioactive Waste in the U.S. - A mathematical model (GAMS)
- **Robotics:** Reconstruction of a robots environment using the Kinect Camera (ROS, Python)