# Nikolas Rieble

Software Engineer

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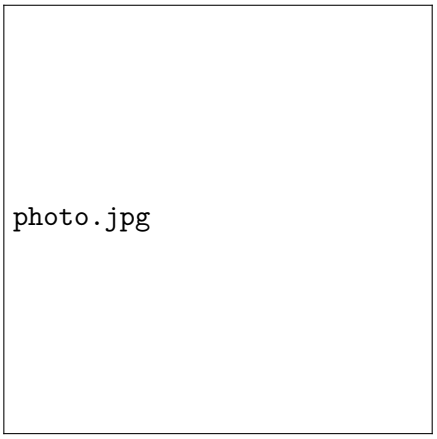


## Profile

Engineer with 4 years of experience in applied data science. Implemented machine learning algorithms in Python for computer vision and time series analysis. Skilled at communication and training in statistics and mathematics. Persuasive and commited to empowering colleagues and customers to make data-driven decisions.

## Work Experience

- **Data Engineer** since Jul. 2021
  Tulip Interfaces

- **Data Engineer** Oct. 2019 - Jun. 2021
  Scalable Capital
  - Developing ETL pipelines with Airflow: To extract data from multiple sources and conduct long-running daily OLAP queries, I implemented airflow jobs in Python.
  - Driving BI tool usage in the company: Maintaining metabase as a self-service BI tool and educating colleagues across all departments.
  - Extracting data from a micro-service architecture: Implementing event-driven message sending using AWS SQS and SNS from Java 8 and Kotlin applications.

- **Fullstack IoT Developer** Aug. 2018 - Sep. 2019
  Hilti GmbH Industriegesellschaft für Befestigungstechnik
  - Professional software development setup: I increased development speed by setting up git and reduced communication overhead introducing and owning Atlassian Tools such as Jira, Confluence and Bamboo
  - Data Warehousing: I developed and maintained a Data Warehouse to align, clean and merge data from multiple databases and offer a single source of truth to end users.
  - Reporting: I setup dashboards with PowerBI and educated key users from multiple departments to create and maintain their own reports.
  - Web App MVP: To acquire data from production line workers, I implemented a web app with a html frontend and a javascript backend.

## Education

- **M.Sc. Computational Engineering Science** 2015 - 2018
  Technical University of Berlin

- **B.Sc. Psychology** 2013 - 2015
  University of Vienna

- **B.Sc. Mechanical Engineering** 2009 - 2014
  Technical University Stuttgart

## 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 (incl.: numpy, pandas, scipy, sklearn, pytorch), Kotlin, Java 8, C#, Matlab, SQL, GAMS
- **Dev Tools**: Sentry, Jenkins, Git, Bamboo, Jira
- **Frameworks**: ROS, Apache Spark