

# Julian Schweizer's CV

## Dr. rer. nat. Julian Schweizer

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### Key skills

- Thorough analytic and mathematical mind
- Clear and concise communication
- Advanced python programming, producing clean, structured, and maintainable code
- Designing and building machine learning solutions with TensorFlow, scikit-learn
- Building stable python microservices with flask, gunicorn, Docker, and Kubernetes
- Handling, analyzing and visualizing data with SQL, pandas, matplotlib, bokeh

### Experience

#### 2019/08 - current **Team lead Computer Vision and Machine Learning at Nect GmbH**

- Leading a team of Machine Learning and Python engineers.
- Full ownership of the production data processing pipeline
  - Topics include face detection and recognition, OCR, object detection, classification of images, audio and video, ...
- Design, implementation, deployment and maintenance of
  - Core logic (tensorflow, OpenCV, Python),
  - Python microservices (gunicorn, flask, structlog),
  - Deployment on a Kubernetes cluster (Docker, Kubernetes)
- Significant contribution to an audit proving "Robo ident"'s compliance with German Trust Service regulation and eIDAS

#### 2018/09 - 2019/08 **Data Privacy Officer at Nect GmbH**

- Set up GDPR documentation
- Co-created processes to handle user rights

- Significant contribution to an audit proving the GDPR compliance of Nect

2018/08 - 2019/08 **Data Scientist at Nect GmbH**

- Design, implementation, deployment and maintenance of the production data processing pipeline

2017/01 - 2018/07 **Data Scientist at Hermes Germany GmbH**

- Ad-hoc analyses using SQL, pandas, scikit-learn, pyspark
- Data visualization using matplotlib, bokeh

2013/11 - 2016/10 **Campus Tour Guide at DESY**

- Guided visitors on tours around the DESY premises
- Education geared to target groups ranging from active researchers, to students, to the elderly

## Education

2013/10 - 2016/12 **DESY / Universitaet Hamburg**

PhD in theoretical physics (Magna cum laude) (thesis)

2008/04 - 2013/09 **Karlsruhe Institute of Technology**

Diplom Physik (With distinction, GPA 1.0)

## Languages

- English (fluent), German (native), French (intermediate)

## Miscellaneous

- Contributor / Maintainer of flowpipe
- Featured on the Computer Vision in Production Podcast