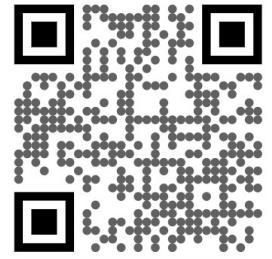




Felix Dahle



Work experience

TU Delft

Delft, NL
Feb. 2021 –
Present

PhD candidate

- Derived historical DEMs from aerial imagery of Antarctica using Structure-from-Motion (SfM) to analyze elevation and mass changes over 50 years.
- Developed automated workflows in Python for historical data processing, leading to three peer-reviewed publications and multiple conference presentations.
- Conducted drone-based LIDAR surveys for archaeological research in Santa Marta, Colombia; collaboration with the University of Leiden.
- Taught and supervised students in Remote Sensing, GIS, and Machine Learning.

Readar

Utrecht, NL
Oct. 2018 –
Aug. 2020

Developer

- Part time job during Master at TU Delft
- Development of applications for 3D-stereo matching and machine-learning based change detection in urban areas

Education

TU Delft

Delft, NL
Sep. 2018 –
July 2020

Master of Science in Geomatics

- Graduated with Cum Laude
- Master-thesis *Automatic change detection in digital maps using aerial images and point clouds* in cooperation with Readar
- Board member of GEOS student association

University of Würzburg

Würzburg, DE
Apr. 2015 –
July 2018

Bachelor of Science in Geography

- Graduated with 1.7 (1 being best in German system)
- Bachelor-thesis *A socioeconomic comparison of regional units in Europe based on administrative and remote sensing regions* in cooperation with DLR
- Internship abroad at University of Tartu, Estonia
- Board member of student council for Geography

Steinbeis-University Berlin

Berlin, DE
March 2012 –
March 2015

Bachelor of Science in IT-Engineering & Business Consulting

- Graduated with 2.3 (1 being best in German system)
- Dual study program (University studies + employment) with Siemens AG
- Bachelor-thesis *Remote Services to reduce the reaction time for suppressing of customer's security technology*



Python (+++)
SQL (+++)
Javascript (++)
HTML (++)
Matlab (++)



Deep Learning/Neural networks
Photogrammetry
LIDAR
GIS applications (Arcgis, QGIS)
SQL and NoSQL databases



German (native)
English (business fluent)
Dutch (advanced)