



# Yingwen Deng

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## Personal Information

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Nationality: Chinese  
Date of Birth: February 8, 1996  
Visa Status: German job seeker visa (Aufenthaltserlaubnis zur Arbeitssuche)

## Education

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**Master of Science in Cartography** (GPA: 1.7 German Grading System) **October 2019**  
Technical University of Munich (TUM); Vienna University of Technology (TUW)  
Thesis title: "Tourists vs. Locals: Mapping Urban Traces from Social Media"  
Partner Universities: Dresden University of Technology (TUD); University of Twente (UT)  
**Bachelor of Geographical Science** (GPA: 1.56 German Grading System) **June 2017**  
Wuhan University (WHU)  
Thesis title: "The Accuracy Assessment of the Rainfall Data Product of TRMM and GPM Satellites based on the Region of Yangtze River"

## Project and Research Experience

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**Tourists vs. Locals: Mapping Urban Traces from Social Media (1.7/1.0)** **2019**  
The Research Division Cartography of Vienna University of Technology

- Pre-processed social media data, including data cleansing and data reduction with PostgreSQL.
- Collected Point of Interests and digitized them from orthophotos with ArcMap
- Extracted temporal parameters from social media data and classified users with PostgreSQL and Python
- Analyzed data with ArcGIS Spatial Analyst Tool; Visualized the result with Python plotting library

**Virtual 3D Landscape Modeling (1.3/1.0)** **2019**  
The Institute of Cartography of Dresden University of Technology

- Created 2D data model of a predefined urban section with ArcMap based on the orthophotos, including geodatabase creating, attributes entering, land-use coding and topology validating.
- Constructed 3D model with ArcScene and Blender, including the construction of the exterior appearance of the architectures, associative texturing and scene creation

**Android Application Developing – Outdoor running application "RuNOW" (1.0/1.0)** **2019**  
The Institute of Cartography of Dresden University of Technology

- Organized group discussion, collected opinions, structured and sketched the workflow and aim of the App
- Designed the application logo, icon and splash page with Adobe Illustrator
- Implemented splash effect and the day/night mode switching function in Android Studio with XML and Java

**Web mapping – "The Trace of Elephants" (1.3/1.0)** **2018**  
The Research Division Cartography of Vienna University of Technology

- Investigated other websites, gathered ideas and theme-related materials
- Structured the layout and styled the web pages with HTML and CSS
- Served as the go-between for other team members to carry out the interactive map design

## Technical skills

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- Languages:  
SQL, HTML, CSS, XML, Python, Java, JavaScript, R
- Tools:  
ArcGIS Desktop, QGIS, Adobe Illustrator, CorelDraw, InDesign, Adobe Sketch, Adobe Photoshop, Android Studio, Blender, PostgreSQL, MySQL, ENVI, MATLAB, GitHub, Pages, Keynote, Numbers, Notes, MS Office

## Languages

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Chinese: Native; English: Fluent (IELTS: 7.0); German: Basic