

# Curriculum Vitae

## Personal Information

**Name** Andreas Hanzl  
**Date and Place of Birth** 29.11.1992 in Vienna, Austria  
**Nationality** Austrian



## Professional Experience

---

- 06/2023 – 05/2026 **Technical University of Munich**, Freising, Germany  
*Research Assistant*
- Modelling microclimate based on terrestrial laser scans of forests in the national parks of Berchtesgaden (Germany) and Bosland (Belgium)
- 04/2022 – 08/2023 **Justus Liebig University Giessen**, Germany  
*Research Assistant*
- Detection of qualitative and quantitative changes in traditional orchard trees in Hesse using state-wide airborne LiDAR data and ortho-imagery in the MOST<sup>3D</sup> project
  - Teaching remote sensing and machine learning of land cover changes with R in the master module “Empirical Research Methods for Natural Resource Analysis”
- 01/2022 – 04/2022 **Philipps University Marburg**, Germany  
*Research Assistant*
- Vegetational classification in Chile using linear spectral unmixing algorithms of multispectral Sentinel-2 data as part of the EarthShape project
- 02/2020 – 12/2021 **Justus Liebig University Giessen**, Germany  
*Student / Research Assistant*
- Tutor in the course “Python for Environmental Scientists”
  - Writing tutor in the course “Project for Environmental Protection - Biodiversity”
  - Tutor in the course “Landscape Analysis with GIS”
  - Digitizing land-use changes in Colombia
- 01/2020 – 02/2020 **Hessian State Agency for Land Management and Geoinformation**, Marburg, Germany  
*Internship*
- Collaboration in updating the official map
  - Collaboration in the surveying of buildings
- 05/2018 – 12/2019 **Research Center Deutscher Sprachatlas**, Marburg, Germany  
*Student Assistant*
- Research assistant in the field of quantitative comparative linguistics using mass comparisons of biblical texts
- 06/2017 – 08/2017 **Nordic Gateway AS**, Tromsø, Norway  
*Summer job*
- Tour guide for German- and English-speaking tourist groups
- 11/2015 – 01/2016 **Deutsch ohne Grenzen**, Vienna, Austria  
*Volunteer work*
- German courses for refugees

- 07/2015 – 03/2017 **Freytag & Berndt**, Vienna, Austria  
*Internship followed by a student job*
- Creation and updating of printed walking maps with Bentley MicroStation, creation of enclosed information booklets
- 10/2011 – 06/2012 **Südwind**, Vienna, Austria  
*Civilian service*
- Public relations work on information campaigns for fair working conditions in developing countries, website maintenance, mailing of information material

## Education

---

- 10/2017 – 07/2021 **Philipps University Marburg**, Germany
- Physical Geography MSc with a focus on climatology and environmental informatics  
Degree: 1.4  
Master thesis title: *“Machine learning-based snow cover modelling in the high mountain region of Kazbegi, Georgia.”*
- 10/2012 – 03/2017 **University of Vienna**, Austria
- Geography BSc  
Degree: 2.0  
Bachelor thesis title: *“Soon no land without sand? Mitigation measures against increasing coastal erosion and flooding on shallow coasts.”*
  - Scandinavian Studies BA  
Degree: 1.6  
Bachelor thesis title: *“From laryngeals to gender neutrals. The development of personal pronouns in the Scandinavian languages from Proto-Indo-European to the present day.”*
- 09/2003 – 06/2011 **High School Kundmangasse**, Vienna, Austria  
Degree: 1.1

## Personal Skills and Competences

---

<b>Language skills</b>	English	business fluent
	French	good written and spoken
	Norwegian	basic knowledge
	Spanish	basic knowledge
	Czech	basic knowledge
<b>IT skills</b>	ArcGIS Pro, QGIS, batch scripting, Python, R, LAStools, JavaScript, GitHub, Google Earth Engine, regular expressions, SPSS, Microsoft Office (Word, Excel, PowerPoint, Outlook)	
<b>Other</b>	Pm basic (Certificate for project management) EU drone licence class A1/A3 Driving licence class B Fishing exam	