

Curriculum Vitae

Personal data

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Education

2024 – 2019	Dr.-Studium der technischen Wissenschaften, Vermessung und Geoinformation Graz University of Technology
2018 - 2015	Master studies Geomatics Science Graz University of Technology
2015 – 2011	Bachelor studies Geomatics Engineering Graz University of Technology
2011 – 2010	Jugend am Werk, Knittelfeld Civil service
2010 – 2002	Bundesrealgymnasium Knittelfeld High school

Thesis

2024	PhD Thesis Contributions to the quality improvement of the 3D design, operation and visualisation of geodetic monitoring installations
2018	Master's thesis Accurate surface determination of wooden building objects
2015	Bachelor's thesis Imaging – Efficiency in measurement processes through integrated cameras

Current affiliation

Since 09/2024 **Auzinger und Grillmayer ZT GmbH/ GeoAT**
Laser Scanning, Monitoring and Geo-Consulting

Work experience

2024 - 2023	External Lecturer (Terrestrial Laser Scanning) Graz University of Technology Institute of Geodesy
2024 - 2023	University Projekt Assistant Graz University of Technology Institute of Engineering Geodesy and Measurement Systems
2023 - 2018	University Assistant Graz University of Technology Institute of Engineering Geodesy and Measurement Systems
2017 & 2016	Friedl ZT GmbH (Civil engineer) Photogrammetric (UAV) and terrestrial surveys of mining pits
2015	Österreichische Bundesforste (Austrian state forests) Cadastral surveys (Group leader)
2014	Österreichische Bundesforste (Austrian state forests) Cadastral surveys (Surveying assistant)
2013	Joanneum Research Center Detection of roads in digital terrain models (Project assistant)
2012 & 2011	ISBE (Archaeological Institute) Worker at iron age excavations

Other temporal employments during university (2018-2011)

Eisenbahntechnisches Büro Surveying of train rails and bridges

ADP-Rinner ZT GmbH Cadastral and engineering surveys (Surveying assistant)

AVD Vermessung ZT GmbH Tunnel surveys (Surveying assistant)

Geodata Group Laser scanning and tunnel surveys (Surveying assistant)

Current research focus

Virtual Reality Visualisation of multidimensional datasets and BIM

Structural Health Monitoring	Design of long-term monitoring installations
Laser scanning	Calibration of sensor related effects and 3D modelling of scanning data
Virtual Heritage	Modelling and reconstruction of medieval fortifications
Qualifications	
Laser Scanning	Leica Cyclone, Leica Register, Leica 3DR
Photogrammetry	Agisoft, RealityCapturer
Coding	Matlab, Python, Unity
Additional qualifications	Driving License, A1 A2 A3 Drone Pilot Licenses, BimCert A-Level
Awards	
Editor's Choice Article	MDPI Sensors Journal - Accuracy Investigation of the Pose Determination of a VR System
Heinrich Wild Preis 2021	Awarded by Leica Geosystems for excellence in research
Best Paper Award (FIG Ghana 2024)	Awarded by the Survey Review Journal
Interests	
Free time activities	Travelling, Archaeology, Skiing, Hiking,