

Contact

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LinkedIn

GitHub

Education

Post-graduate studies: Geomatics and AI in Forestry
Forest Research Institute
Mar 2026 – Oct 2027

MSc in Forestry
Warsaw University of Life Sciences (WULS)
Feb 2023 – Oct 2024
Master's thesis: Utilizing a U-Net Convolutional Network to Characterize Felled Tree Stem Sections on UAV Orthomosaics.

Erasmus+ exchange
Faculty of Forestry, Czech University of Life Sciences Prague
Sep 2021 – Feb 2022
International exchange programme (Erasmus+).

BSc in Forestry
Warsaw University of Life Sciences (WULS)
Oct 2019 – Feb 2023
Bachelor's thesis: Application of geomatic techniques for locating observation points.

Activities

Head of the Section of Geomatics, Scientific Association of Foresters at WULS
2020–2023

Laureate of the National Geomatics Conference, Poznań
2021

Jakub Wołosz

FORESTRY GEOMATICS · IT

Profile

I am an MSc graduate in Forestry from Warsaw University of Life Sciences (WULS), especially interested in geosciences and remote sensing.

Experience

SmaSiKaFe project Jun 2025 – present
Forestry Training Center for Forest Work and Forest Technology (FBZ NRW)

SmaSiKaFe project Mar 2025 – May 2025
iFOS GmbH

Smart Forestry project Sep 2023 – Apr 2024
iFOS
A publicly funded project that let me combine writing my Master's thesis with experience at the intersection of forestry and IT.

POWER3 programme (co-funded by the EU) Jan 2023 – Feb 2023
OPEGIEKA
Learned basic Python programming skills before graduation.

Field inspector (summer job) Aug 2022 – Sep 2022
Agency for Restructuring and Modernisation of Agriculture (ARMA)
Field surveys checking the compliance between the present and the documented crop.

Intern, Greenery Inventory Laboratory Apr 2022 – Jul 2022
Taxus IT, R&D Department
The work took place both in the office and in the field.

Skills

GIS
QGIS · ArcGIS Pro

FIELD DATA
ArcGIS Field Maps · QField · Mergin Maps

REMOTE SENSING
Sentinel-2 · EO Browser

DEEP LEARNING
U-Net on UAV orthomosaics

IT
Python

CAD / BIM
AutoCAD · Revit

Languages

Polish native **English** B2 **German** B1

Selected projects

Satellite data visualisation: Spectral indices and false-colour mosaics from Copernicus Sentinel-2 imagery, used to observe a Canadian forest fire and floods in central Greece.

Field surveys: Digital field-data collection with ArcGIS Field Maps, QField and Mergin Maps, and an educational forest path with a companion mobile app.

Cartographical works: Maps for an educational forest path and a forest road network project, with hillshaded terrain from 1 m DEM data and clear, readable layouts.

Jakub Wołosz