

**Contact:**

www.jakub-dvorak.eu, jacobdvorakcz@gmail.com
[linkedin.com/in/jakub-dvorak-geo](https://www.linkedin.com/in/jakub-dvorak-geo), github.com/jakub-dvorak-geo

Geospatial-related professional experience:

- | | |
|-----------|--|
| 2020-2023 | E-TRAINEE – E-learning course on Time Series Analysis in Remote Sensing for Understanding Human-Environment Interactions – I developed content, course-wide functionality and led the course release team. |
| 2023 | Teaching Intro to GIS at Lauder secondary school |
| 2021-2022 | Treeline ecotone classification – Deep Learning in 2 Czech National Parks |
| 2020 | EuroSDR EduServ – PhD-level courses on Deep Learning and Point Clouds |

Education:

- | | |
|-----------|--|
| 2020-2023 | Master's in Cartography, GIS and Remote Sensing
Thesis: Geometric Aspects of Detecting Grassland Mowing in Krkonoše Mountains Based on Sentinel-1 Coherence
Charles University (Prague) & Erasmus+ at Humboldt University (Berlin) |
| 2017-2020 | Bachelor's in Physical Geography and GIS
Thesis: Deep Learning for tree line ecotone mapping from remote sensing data
Charles University (Prague) |

Awards/publications:

- | | |
|------|--|
| 2023 | E-TRAINEE – co-authored a paper about the project (ISPRS Archives) |
| 2022 | ISPRS Congress – Presented full paper as 1 st author (ISPRS Annals) |
| 2022 | ISPRS Congress CATCON – 3 rd place for CNN Compare |
| 2021 | GISáček – 2 nd place for my bachelor thesis |

Extracurriculars/volunteering/summer jobs:

- | | |
|-----------|--|
| 2012-now | Summer camp instructor (volunteer) |
| 2017-now | Election polling clerk/presiding officer |
| 2018-2020 | EGEA Praha – member and PR coordinator of the local entity |
| 2017-2020 | Office intern and volunteer at Youth for Understanding CZ |
| 2016-2018 | Selling souvenirs in Prague ZOO |

Geospatial-related technical skills:

- | | |
|--------------------|---|
| Advanced level | Python (Pytorch), QGIS, SNAP |
| Intermediate level | SQL, ArcGIS/ArcPy, R, Git, Javascript/GEE |
| Basic level | Linux, HTML, Matlab, ENVI, eCognition, CloudCompare |

Language skills:

Czech (native), English (C1/C2), German, Danish (B1)