

I am an Archaeologist and a Geographer.



**PhD (on hold)**  
Durham University

- computational research into archaeological landscape under Near East Empires

**MSc in Geographic Information Science**  
University of Edinburgh

📍 Edinburgh, UK

- Coursework examples: Object-Oriented Programming, Spatial Analysis, Advanced Spatial Databases

**MA in Archaeology**  
Nicolaus Copernicus University

📍 Torun, Poland

- Coursework examples: Archaeology of Architecture

**PG Diploma in Arabic Culture**  
Nicolaus Copernicus University

📍 Torun, Poland

- Coursework examples: Arabic Language and Literature, History of Arabic World



**GIS Specialist**  
UCL Qatar

📍 Doha, Qatar

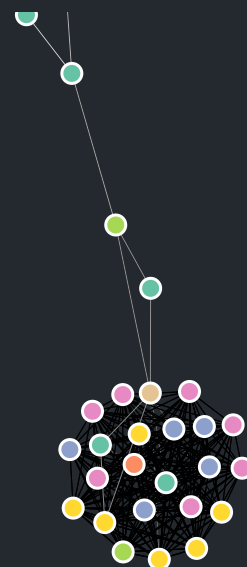
- GIS administration, field surveying and historic buildings recording
- development of Web GIS application as a part of public outreach



**GIS Analyst**  
Scottish Government

📍 Edinburgh, UK

- mentoring participants of Data Science Accelerator - capability-building programme that develops data science skills across public sector [link](#) .
- member of Project Boards delivering [Simple ARD service](#) and [Scottish Remote Sensing Portal](#) .
- delivery of Safety Cameras Siting - I introduced machine learning (DBSCAN clustering) and simulation techniques (Monte Carlo simulation) to car accident hot spots analysis supporting a Transport and Police Scotland policy.
- providing mapping and analytical support to COVID-19 Modelling, Testing and Vaccination Teams



View this CV online with links at  
<https://topographos.github.io/resume/>

 michalski82@gmail.com

 [topographos2](#)

 [github.com/topographos/](https://github.com/topographos/)

**in** [linkedin.com/in/michal-ski](https://www.linkedin.com/in/michal-ski)

| Language   | Percentage |
|------------|------------|
| R          | 100%       |
| SQL        | ~85%       |
| Javascript | ~85%       |
| Python     | ~65%       |
| Polish     | 100%       |
| English    | ~95%       |
| German     | ~55%       |
| Arabic     | ~35%       |

Made with the R package **pagedown**.

The source code is available on [github.com/topographos/resume](https://github.com/topographos/resume).

*Last updated on 2021-09-20.*

- 2014  
|  
2013
 **GIS Technician**  
 Historic Environment Scotland
 📍 Edinburgh, UK
  - heritage data management (geospatial databases construction, maintenance and administration)
  - production of GIS mapping and visualization, spatial analysis, GIS support and training, assisting in aerial and terrestrial surveys
- 2012  
|  
2012
 **GIS Studentship**  
 Thinkwhere
 📍 Stirling, UK
  - updating spatial databases, creating metadata, extracting internal and sourcing external data, map digitizing.
- 2011  
|  
2008
 **Archaeologist**  
 CFA Archaeology, AOC Archaeology
 📍 Scotland, UK
  - excavations, site surveying and recording
- 2010  
|  
2010
 **Archaeologist**  
 Oxford Brookes University
 📍 Ras Al Khaimah, UAE
  - excavations, site surveying and recording, post-excavation work.
- 2008  
|  
2007
 **Archaeologist**  
 Archaeological Museum
 📍 Gdansk, Poland
  - excavations, site surveying and recording
- 2005  
|  
2005
 **GPS Surveyor**  
 Techmex SA
 📍 Poland
  - Using GPS and orthophoto maps to survey agricultural fields.



## TEACHING EXPERIENCE

- Current  
|  
2021
 **Data Carpentry Instructor**  
 teaching R for spatial analysis



## PUBLICATIONS, POSTERS, AND TALKS

- 2020
 **Reproducible Rchaeological Survey**  
 British Association of Near Eastern Archaeolgy (BANEA)
 📍 Oxford
  - 2nd prize winner for the best poster
- 2018
 **R and QGIS in action**  
 Scottish QGIS User Group Meeting Michal Michalski
 📍 Edinburgh, UK

My Team has been shortlisted to 2021 Government in Geography Awards - Excellence in emergency response

I have joined Data Carpentry community to teach Data Literacy and Reproducibility.

- 2016 ● **DOHA – Doha Online Historical Atlas**  
 Proceedings of the 44th Annual Conference on Computer Applications and Quantitative Methods in Archaeology  
 ● Oslo  
 • Carter, R., Eddisford, D., Fletcher, R., **Michalski, M.** and Morgan, C.
- 2015 ● **The Origins of Doha Project: Online Digital Heritage Remediation and Public Outreach in a Vanishing Pearling Town in the Arabian Gulf,**  
 Paper presented at International Conference on Cultural Heritage and New Technologies  
 ● Vienna  
 • Morgan, C., Carter R. and **Michalski, M.**
- 2014 ● **Traditional Architecture of Doha**  
 Talk presented at the Heritage of Doha: Identity of Qatar Workshop ● Doha  
 • **Michalski, M.** and Roberts, K.
- 2013 ● **The Story of Perth: Linking Archaeology, History and Maps**  
 Talk presented at Working Digitally with Historical Maps Conference, NLS  
 ● Edinburgh  
 • Gittings, B. and **Michalski, M.**



## PROJECTS NOTEBOOKS

- COVID-19 - [click to see notebook](#)
- COVID-19 Infection Survey - [click to see map](#)
- VUG in R - [click to see notebook](#)
- BANEA 2020 Poster - [click to see poster](#)
- Population Clusters - [click to see notebook](#)
- LiDAR - [click to see notebook](#)
- DOHA – Doha Online Historical Atlas - [click to see app](#)



## PROFESSIONAL MEMBERSHIPS

- Digital, Data and Technology (DDaT) - Data Engineer
- The Association of Geographic Information (AGI)
- Computer Applications & Quantitative Methods in Archaeology (CAA)
- British Association of Near Eastern Archaeology (BANEA)
- The Council for British Research in the Levant (CBRL)

I worked with a variety of platforms:  
 Oracle and Postgresql DB, ArcGIS  
 and QGIS, R Shiny, Amazon AWS.