# MICHAL MICHALSKI

I am a Spatial Data Analyst. I use Data Science and Data Engineering to aid Data-Driven decision making.



# **EDUCATION**

2012 2011

# MSc in Geographic Information Science

University of Edinburgh

**Q** Edinburgh, UK

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

2006 2001

### MA in Archaeology

Nicolaus Copernicus University

Torun. Poland

· Coursework examples: Archaeology of Architecture

2005 2003

# PG Diploma in Arabic Culture

Nicolaus Copernicus University

Torun, Poland

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



# INDUSTRY EXPERIENCE

Current 2014

#### **GIS Analyst**

Scottish Government

♀ Edinburgh, UK

- mentoring participants of Data Science Accelerator capability-building programme that developes data science skills across public sector link.
- member of Project Boards delivering Simple ARD and Scottish Remote Sensing
- delivery of Safety Cameras Siting project on yearly basis 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. The final outputs presented at a workshop attended by Mrs Forbes, Cabinet Secretary for Finance.
- delivery of geospatial analysis for government official statistics, Scottish Access to Bus Indicator SABI 2019.
- providing mapping and analytical support to COVID-19 Modelling, Testing and Vaccination Teams

2015 2012

# **GIS Specialist**

**UCL Qatar** 

Obha, Qatar

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



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

# CONTACT

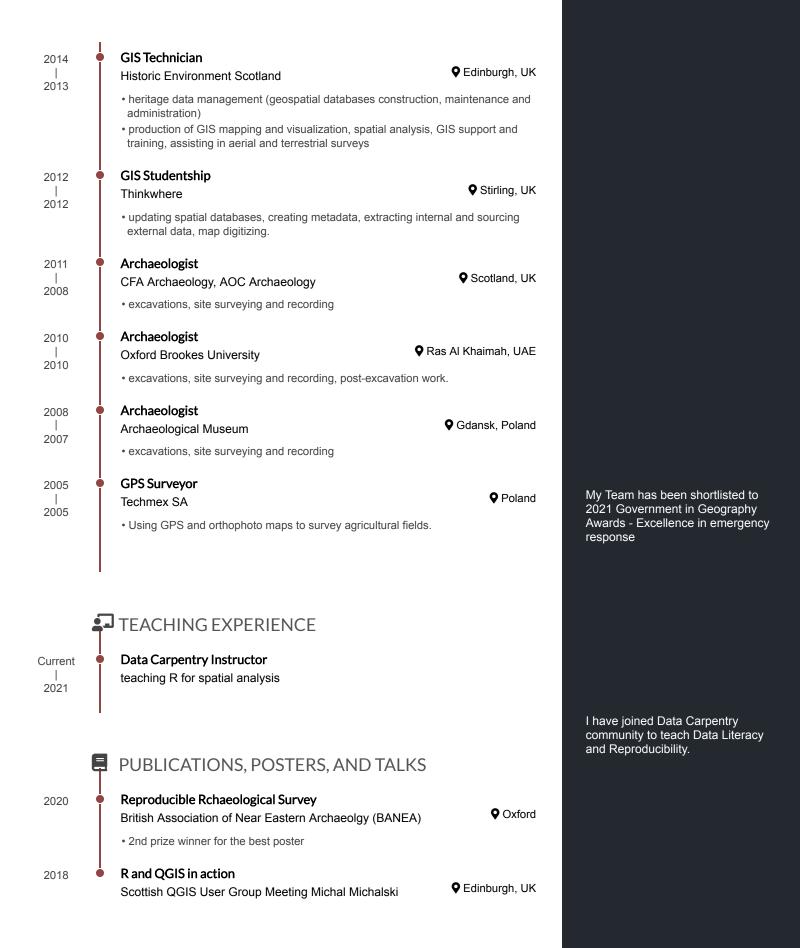
- michalski82@gmail.com
- topographos2
- github.com/topographos/
- in linkedin.com/in/michal-ski

R		
SQL		
Javascript		
Python		
Polish		
English		
German		
Arabic		

pagedown.

The source code is available on github.com/topographos/resume

Last updated on 2021-05-25.



DOHA - Doha Online Historical Atlas 2016 Proceedings of the 44th Annual Conference on Computer Applications and Quantitative Methods in Archaeology Oslo Q • Carter, R., Eddisford, D., Fletcher, R., Michalski, M. and Morgan, C. The Origins of Doha Project: Online Digital Heritage Remediation and 2015 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. **Traditional Architecture of Doha** 2014 Obha Talk presented at the Heritage of Doha: Identity of Qatar Workshop • Michalski, M. and Roberts, K. The Story of Perth: Linking Archaeology, History and Maps 2013 Talk presented at Working Digitally with Historical Maps Conference, NLS **♀** Edinburgh • Gittings, B. and Michalski, M.



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)

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