

# ARDA ÜRÜN

Geomatics Engineer / GIS Specialist

## ABILITIES & QUALIFICATIONS

- Analytical Thinking • Effective Communication • Problem Solving
- Adaptability • Time Management • Team Collaboration • Creativity
- Data Visualization and Analyzation

## WORK EXPERIENCE

## CONTACT

Besiktas, Istanbul

+90 546 591 1014

arda.urun.03@gmail.com

<https://www.linkedin.com/n/arda-urun/>

## LANGUAGES

English / Advanced

Turkish / Native

## SKILL HIGHLIGHTS

- ArcGIS Pro - Advanced
- QGIS - Advanced
- Leaflet - Advanced
- Photoshop - Advanced
- Agisoft - Advanced
- Blender - Advanced
- NetCAD - Advanced
- PostGIS - Intermediate
- AutoCAD - Intermediate
- JavaScript - Intermediate
- Python - Intermediate

August  
2023-  
January  
2024

### GIS Specialist

#### Archaeological Survey in AlUla, Saudi Arabia

- Before starting the survey, the GIS database used during the project was designed in QGIS with SQL.
- Geospatial data taken from the field was processed in the QGIS environment and made ready to be queried according to the attribute table.
- Geographic analyzes such as 'watershed', 'accumulation' and 'water erosion model' relevant to the survey area were done for reporting.

2020-2023

### GIS Specialist

#### Malazgirt Battlefield Archaeology

- Within the scope of the project, various spatial analyzes were made on ArcGIS Pro using 'Geographic Information Systems' in order to determine the point location of the war and to better examine the terrain.
- Taking overlapped photographs of the archaeological sites with drone, producing orthophotos in Agisoft and creating find density maps on them.
- Visualization of finds and their features on a web-based map, thus creating a dynamic map which represents a digital library.

2022-2023

### Web-GIS Developer

#### Digital Cultural Heritage

- Visualizing and modelling the finds and ancient cities that have cultural heritage value on an internet-based map.
- In front-end phase, Leaflet and Mapbox are used. In back-end phase, PostGIS and GeoServer are used during the project.

2022-2023

### GIS Specialist

#### PhD Thesis of Oğuzhan Karaçetin

- Generating network and distribution map, and slope-related overlay analysis of amphora finds.

## REFERENCES

**Prof. Dr. Adnan Çevik**  
*Malazgirt Project Manager*  
cadnan@mu.edu.tr

**Assoc. Prof. İskender Dölek**  
*Malazgirt Project GIS Team Leader*  
i.dolek@alparslan.edu.tr

**Dr. Ertan Özcan**  
*Head of Digital Archaeology in Stadt Köln*  
ertan.oezcan@stadt-koeln.de

**Dr. Oğuzhan Karaçetin**  
*Karelaj Archaeology Founder*  
oguzhankrctn@gmail.com

March  
2022-  
September  
2022

### 3D Modeler

#### Karelaj Archaeology Management Consultancy

- Modeling the terrain of the ancient city of Pergamon and the Trajan Temple with real dimension in Blender.

June 2021-  
August 2021

### Geomatics Engineer

#### Gergul Construct on Marketing

- Use of Total Station, Leveling and GPS in construct on site.

## EDUCATION

2023-Present	<b>Geographical Information Systems, Master of Science</b> Istanbul Technical University
2019-2023	<b>Geomatics Engineering, Bachelor of Science</b> Izmir Katip Celebi University
2018-2019	<b>English Preparatory Programme</b> Izmir Katip Celebi University

## CERTIFICATIONS

2021	<b>Malazgirt International Symposium</b> Malazgirt Battlefield Archaeology
2020	<b>GIS Advanced Application Training</b> Turkish Geographical Society
2020	<b>GIS Application Training</b> Turkish Geographical Society
2019	<b>English Preparatory Programme, C1</b> Pearson

## PUBLICATIONS

2023	<b>Using GIS in Malazgirt Battlefield Archaeology</b> Turkish Historical Society
2021	<b>Geographical Methods for Detection of Malazgirt Battlefield</b> Aktüel Arkeoloji Journal

## BACHELOR THESIS

2023	<b>Visualization of the Geospatial Data in Malazgirt Battlefield Archaeology Using Web-GIS</b>
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