



CONTACT

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SOCIAL

<https://www.linkedin.com/in/charalampos-babis-chatzidiakos-16107816b/>

Chartered member of the
Technical Chamber of
Greece Membership

Seminar: "Cartography and
Mapping", applications on
Geology and Archeology
, Department of Geology,
Aristotle's University
Thessaloniki

Conference speaker
presenting: "School travel
plans with transport and
urban planning
components. The case of
2nd elementary school of
Volos, Greece"; 5th Urban
Planning and Regional
Development Conference
(Volos, Sept. 2018)

Charalampos Chatzidiakos

PERSONAL STATEMENT

A talented highly qualified Geodata Science Engineer. A fast learning and creative individual, with GIS, planning and infrastructure professional experience. Enthusiastic about Programming, Data analysis, 3D Modelling and Geographic Information Systems.

Sex: Male | Date of Birth: 13-09-1993 | Nationality: Greek

WORK EXPERIENCE

Research Fellow, *Jan 2022- Present*
National Observatory of Athens,
Athens Greece

Technical Assistant, *June 2020- Aug 2020*
Delft University of Technology,
Delft, Netherlands (Remotely)

Infrastructure Planning and GIS Consultant, *June 2018- July 2019*
Lever Development Consultants,
Thessaloniki, Greece

Internship - Technical Consultant, *July 2017- Aug 2017*
Lever Development Consultants,
Thessaloniki, Greece

Internship - Research Assistant, *July 2016- Aug 2016*
University of Thessaly,
Volos, Greece

EDUCATION

MSc Geomatics *2019- 2021*
Delft University of Technology, Netherlands

Thesis title: Robust road width estimations using vector areal and linear representations

- Developing methodologies to handle challenging cases of road networks regarding width estimation
- Exploring the different definitions of road width based on the different use cases
- Working with vector data from open sources (OpenStreetMap)
- Algorithms implemented in Python programming language.
- QGIS is used for exploring the data and visualizing the results

INTERESTS

- Reading
- Hiking
- Swimming
- Boxing
- Cycling

LANGUAGES

- Greek
- English
- French

Synthesis Project:

- Developed an app (IncidentMapper) that provides to the fire response teams the information they need
- IncidentMapper is a real-time collaborative information system that collects,
- process and distribute information about a scene over the incident
- Implemented in a group of 5 students and conducted in collaboration with CGI and Veiligheidsregio Rotterdam-Rijnmond.

Other key courses: Python Programming Language, 3D Modelling, Geoweb Technology, Geo Database Management Systems, GIS and Cartography

**Diploma (MSc & BSc) Urban Planning
& Regional Development,
University Of Thessaly, Greece**

2011- 2018

Five-year long engineering studies including a year-long thesis. Key Courses: Geographic Information Systems, Databases, Spatial Development, Environmental Engineering, Remote Sensing

SOFTWARE

GIS : ArcGIS, QGIS, Global Mapper/Visual Topo

FME : Advanced FME Workbench, FME Cloud/Server

DATABASES : PostgreSQL, POSTGIS

MICROSOFT OFFICE : advanced use of all applications

GAME ENGINE: Unity

OTHER : GitHub, Visual Studio Code, Jupyter, MeshLab, Blender, CloudCompare, Coldmap, LaTeX

PROGRAMMING

Python: Advanced skills of the main data analytic libraries (Pandas, NumPy, Matplotlib etc.). Django (web framework)

JavaScript : React (front-end library)

SQL/PL SQL : Advanced knowledge

C++/C#/: Basic Knowledge

MongoDB: Basic Knowledge