

# Abdelhameed Mohamed Elharty

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## Objective:

Geospatial Engineer with an MSc in Geomatics Engineering (Geodesy) and expertise in predicting gravity fields using global gravity models and terrestrial observations. Eager to apply advanced knowledge and skills to tackle complex geospatial challenges and contribute to innovative projects in the field of geodesy and surveying.

## Personal Information:

Date of Birth: 1 June 1994

Nationality: Egyptian

Gender: Male

Military Status: Completed

## Educational Background:

- **Master of Science in Geomatics Engineering (Geodesy)**

Geomatics department, Faculty of Engineering at Shoubra, Benha University, Egypt.

Faculty of Geodesy, University of Zagreb, Croatia.

Feb. 2024

Thesis: Predicting the gravity field of Egypt using global gravity models and terrestrial gravity observations

- **Erasmus+ Mobility Programme for Studies**

Faculty of Geodesy, University of Zagreb, Croatia, Feb. 2023 - July 2023

- **Bachelor of Engineering, Geomatics Department**

Faculty of Engineering at Shoubra, Benha University, Sep. 2012 – May 2017

- Graduation Project: Excellent (95.7%)

- Cumulative Grade: Very Good with honors (83.25%)

- Rank: Second in the Graduation Year 2017

## Improved Skills:

- Advanced knowledge of geodesy, including predicting gravity fields and analyzing terrestrial observations
- Proficiency in GIS software, AutoCAD, and other geospatial tools
- Strong understanding of surveying techniques and geodetic instruments
- Excellent analytical and problem-solving skills
- Excellent presentation skills, demonstrated through delivering technical presentations and training sessions
- Proven ability as a good trainer, effectively imparting knowledge and skills to others
- Collaborative team player, adept at working harmoniously with colleagues towards common goals
- Fast learner with a demonstrated ability to quickly grasp new concepts and technologies
- Highly adaptable to changing environments and situations, with a flexible approach to problem-solving

## Professional Experience:

- **Teaching Assistant**

Geomatics Department, Faculty of Engineering at Shoubra, Benha University, 12/2017 - Present

- Assisted in teaching and mentoring students in geomatics engineering courses

- Graded assignments and exams, provided feedback to students
- Conducted workshops and tutorials to support students' learning.

- **Geospatial Engineer**

Capriole Construction Company L.L.C., Egypt, 1/2024 – present, part time

- Prepared data, charts, maps, and documents related to surveying
- Reviewed fixed points used in map-making using geodetic and engineering instruments

- **Surveying Manager**

ISOLA Sheraton Compound, Elmasria Group Company, Egypt, 8/2021 - 12/2022

- Reviewed coordinates of important features and boundaries using Total Station and GPS

- **Geospatial Engineer**

Zenith Engineering Solution Office, Cairo, Egypt, from 4/2020 - 12/2020 (Part-Time)

- Visualized and represented geospatial data
- Conducted GNSS observations, both fieldwork and processing
- Created various types of maps using ground surveying techniques
- Created the geodatabases for the field surveying works by GNSS instruments for validation and visualization.

- **Freelancer**

From July 2019 – present, created topographic and contour maps using RTK technique of GNSS. Besides, conducted visualization and representation of geospatial data

### Professional Development:

- **SmartWB Theme-based Training**

Dubrovnik, Croatia, May 9th - 11th, 2023. Attended training of teaching staff for acquiring new practical skills organized by Prof. Željko Bačić, Faculty of Geodesy, University of Zagreb, as part of the SmartWB project

- **GNSS Training**, Completed GNSS training Basic and Advanced Course for Center for Spatial Information Science (CSIS) (February 2020)
- **NARSS Training**, National Authority for Remote Sensing and Space Sciences (NARSS), Egypt, August 2016  
[Brief description of the training and its significance]
- Engaged in freelance GIS projects online