**Asma**

**Email:** **asma.387917@2freemail.com**

**Objective**Seeking a quality environment where my knowledge can be shared and enriched. Looking for opportunity where I can improve my quality and skills, which offers opportunities for long term advancement and growth.

**Education**

Master degree | MARCH 2016 | college of engineering | Sudan University of Science and Technology

* **Major:** Geomatics Engineering.
* **Thesis:** Detection of obstacles around Khartoum International Airport using digital elevation model ([http://repository.sustech.edu/handle/123456789/12998)](http://repository.sustech.edu/handle/123456789/12998%29).
* **Related coursework:** GIS, Geodesy, Photogrammetry, Remote Sensing.

Bachelor degree | september 2013 | college of engineering | Sudan University of Science and Technology

* **Major:** Geomatics Engineering.
* **Related coursework:** GIS, Geodesy, Photogrammetry, Remote Sensing.

**Professional certifications:**

* ArcGIS Desktop Entry 10.4 | ESRI | November 18, 2017.

**Courses**

* Earth Imagery at Work (6 weeks) | ESRI | December 9, 2018.
* Strategic Planning Course (8 hrs) | Khartoum Institute for Strategic Studies | June 27, 2018.
* Web Based GIS Application Development (90 hrs) | GeoCAD Center for Technical Training | September 4, 2016.

**SUMMARY OF PROFESSIONAL SKILLS AND CAPABILITY**

* Skilled in GIS Desktop software (ArcGIS, ArcGIS Pro, QGIS).
* Skilled in developing GIS Web Applications using (ArcGIS Server, ArcGIS Online, ArcGIS API for JavaScript, ArcGIS Viewer for Flex).
* Working experience in map production.
* Working experience in image processing and analysis using (Erdas Imagine, Lieca Photogrammetry Suit (LPS), AgiSoft Photoscan).
* Working knowledge in data collection and surveys using survey tools as GPS.
* Developing android application for data collection using APIs such as Google Map API.
* Experience in data management and project planning.
* Experience in courses instructions.

**Programming Languages Skills:** HTML, CSS, JavaScript, SQL, PHP.

**Work Experience**

**GIS Officer, Ministry of Industry & Commerce,** (Oct.2016 – Present)

* Use ArcGIS products to produce maps and reports.
* Periodic updating of the attributes database.
* Develop objective maps to assist decision-making.
* Develop Android applications specially to collect data from the field and update it in the central database directly.

**Associate Lecturer, GEOMATICS ENGINEERING, college of Engineering, Sudan University of Science and Technology,** (MAR.2016 – MAR.2017)

* Lecturing undergraduate practical for: GIS, Remote Sensing and Computer Applications.
* Supporting and supervising students in research.

**Associate TEACHING ASSISTANT, GEOMATICS ENGINEERING, college of Engineering, Sudan University of Science and Technology,** (Feb.2015 – MAR.2016)

* Lecturing undergraduate practical for: GIS, Remote Sensing and Computer Applications.

**GIS Technician (Trainee), Utilities Network Information Center,** (Dec.2015-Feb.2016)

* Generate maps that showing accurate locations for facilities and their connectivity.
* Enter data in GIS databases; follow established procedures to select map data and objects to populate database tables and attributes.

**Photogrammetric Engineer (Trainee), Sudanese Survey Authority,** (Jul.2015-Dec.2015)

* Prepares charts and tables for aerial navigation, to specify flight path, altitude, and airspeed of camera-carrying aircraft.
* Computes geodetic measurements and interprets survey data from aerial photographs or remote-sensing images to determine position, shape, and elevation of topographic features.

**Surveying Engineer (Trainee), Aerodrome Engineering Consultancy Co.LTD,** (Feb.2015-Jun.2015)

* Survey network in Khartoum International Airport which includes:
* Levelling and contour mapping.
* Utilities network information and maps.
* Rehabilitation of apron and taxiways and runway shoulders at Khartoum International Airport.
* Base map of Khartoum airport.

**Surveying Engineer (National service), Ministry of physical Planning,** (Dec.2013-Dec.2014)

* Overseeing property developments from empty plots of land to fully operational buildings.
* Preparing maps and reports.
* Measuring and valuing land and property.

**Publications**

* Abdallah, Asma Salah Aldeen M.; Mohamed Alameen Ahmed, Detection of Obstacles Around Khartoum International Airport Using Digital Elevation Model, SUST Repository, 2016.
* Abdallah, Asma Salah Aldeen M.; Khalafallah M. Badi, Detection of Obstacles Around Khartoum International Airport Using Aerial Photographs, ICCA-TICET, 2017.

**Membership of professional institutes**

* Member of Sudan Engineering Council with No:(35976).