

Dalene Young

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PROFESSIONAL SUMMARY

GIS/Data Analyst with more than 20 years experience.

Registered with PLATO in 2018, as a Professional GIS Technician.

Registration Number GPrGISc 1474.

KEY SKILLS

- Practical and theoretical knowledge of GIS
- Ability to produce detailed planning based technical drawings in GIS and CAD
- Good graphic design and map presentation skills
- Ability to work seamlessly between CAD and GIS environments
- Database and Database Programming Skills
- Programming of GPS Units for data capture in the field (includes setting up of data dictionaries)
- Ability to work independently and take initiative
- Experience within the built environment; including local and provincial government
- An Interest in New Technologies
- Knowledge of Relational Databases
- SQL Literate

PERSONAL SKILLS

- Ability to perform individually
- Fast learner
- Ability to perform under pressure
- Problem solver
- Ethical and loyal
- Highly motivated and goal driven

WORK EXPERIENCE

Airfire Solutions

Factory Production Co-Ordinator

May 2018 – Present

- Preparing working drawings and programming for the plasma cutter and general manufacturing
- Opening and delegating of jobs to relevant persons
- Purchasing of materials for jobs and job costing and invoice preparation
- Customer relations, quoting and interacting with clients
- Administration of jobs, invoicing and timekeeping
- Health and safety officer for the workshop

Rance Timber

Contract Draughtsman

February 2017 – December 2017

- As-built drawings of wet and dry mills (for expansion purposes)
- Electrical diagrams (Single line diagrams)

Reason for leaving: Contract Ended

UWP Consulting Engineers

Senior GIS Manager

February 2006 – August 2015

- Analyze system requirements, capacity, cost, and customer needs to determine feasibility of project and develop system plan
- Maintain and update spatial and related attribute information
- Integration of GPS field captured data into GIS and CAD (for example, as-built drawings for water schemes)
- Capture, edit and digitize spatial and associated attribute data into GIS
- Create and update attribute databases, using industry standard database software
- Compile advanced spatial queries and reports
- Assist in the development of customised GIS solutions for clients
- Management of the GIS office (including permanent and contracted staff)
- ***See project list for examples of projects worked on (please note, does not include all projects worked on)***

Reason for leaving: Retrenchment

Eskom Distribution

Geographic Mapping Producer

April 1996 - January 2006

- Validation and processing of GPS data collected in the field
- Prepare information pack for GPS data to be collected in the field
- Produce local and regional maps of a high aesthetic quality using diverse raster and vector based information
- Verification and capture of geographic information for input into Microstation Geographics and Smallworld
- Maintain and update spatial and related attribute data for distribution networks and future planning of networks
- Input of schematics of substation diagrams into Smallworld (as well as developing the method/procedure to accomplish this task)
- Compile an Microsoft Access database to track substation changes and to produce monthly reports from the Access database
- Manipulation of data and spatial analysis of data to produce maps as per user requests (for example, Electrification Master Plan for the former homelands of Transkei and Ciskei)

East London Municipality

Draughtsman

October 1995 - March 1996

- Verification and capture of all water reticulation services for the city of East London into CAD/Geographical Information System (ALLYCAD/ALLYMAP)

AOC Holdings (Pty) Ltd

Training Officer, Seconded to Surveyor-General

September 1993 – September 1995

- Training of government departmental staff in geographic data capture procedures (including the digitizing of maps, database input, spatial queries and map production)
- Data collection and the capture of geographical data into the Surveyor-Generals GI System (including cadastral layouts, compilation of general plans and 1:2000 noting sheets for townships)
- Compilation of general plans, working plans and sub-division diagrams according to the Surveyor-Generals standards
- Validation of co-ordinate data for the compilation of general plans, working plans and subdivision diagrams
- Compilation of ad-hoc maps and plans as per requests

Department of Agriculture

Research Assistant

January 1991 - August 1993

- Data collection and capture of geographic mapping information for input into GI System
- Data manipulation, map production and spatial queries in line with users requests and needs
- Development of GIS in line with specific user requests and needs (including crop production modeling and farm planning)
- Compilation of ad-hoc maps and plans as requested
- Spatial interpolation of climate data to be used for spatial modeling

EDUCATION

Stutterheim High School

Senior Certificate 1989

Port Elizabeth Technical College

N4 Commerce 1990

Port Elizabeth Technical College

N5 Commerce 1990

Port Elizabeth Technikon

Post-Graduate Diploma in Geo Information Systems

Not yet completed, on hold due to financial constraints with intention to complete when able to.

Subject Include:

- Database Theory
- Data Acquisition
- Data Quality
- Project Management
- Project Analysis
- Spatial Data Modeling
- Spatial Operations
- Spatial Thinking
- Visualisation of Spatial Data
- Remote Sensing

REFERENCE

Mr Wayne Ketteringham
UWP Consulting (Pty) Ltd
Clevedon House
2 Clevedon Road
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Miss Rachelle Scott
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Mrs Lianne Collin
Eskom Distribution
Sunilaws Office Park
Beacon Bay
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PROJECTS WORKED ON AT UWP (Not limited to list)

Buffalo City Metro Municipality Water Services

GIS Mapping Producer

- Enhancement of Water Services Development Plan

Ngqushwa Water and Sanitation Master Plan

GIS Mapping Producer

- Development of Ngqushwa Local Municipalities Water and Sanitation Master Plan

Amatola District Municipality Asset Register

Senior GIS Manager

- Re-instatement/Valuation of Water Services as at 1 July 2007 following Qualified Audit Report

Lukhanji Water Resources Feasibility Study

GIS Technician

- Compile a Water Resources Feasibility Study

Amathole District Municipality WMIS

GIS Mapping Producer

- Development of Water Management Information System for Amathole District Municipality

Area Wide Routine Road Maintenance of Provincial Roads

GIS Technician

- Project to assess, quantify, plan, programme and manage the routine maintenance of approx. 1000 km of road belonging to the provincial roads authority using their own plant and staff

Nelson Mandela Bay Municipality Trade Effluent

GIS Mapping Producer

- Development of a strategy for the handling of trade/industrial effluent operations within the NMBM

ASIDI Schools Programme

GIS Mapping Producer

- Emergency schools upgrade programme under DBSA for schools in the Eastern Cape

BCM Sustainable Housing

GIS Technician

- Preparation of a policy for Housing Integrated Sustainable Settlements for Buffalo City Municipality

EThekweni Water Project

GIS Technician

- Regional Water Supply Scheme to 12 villages in the Nyandeni Local Municipality

Maydene Farm/Ncambedlana Sewerage Requirements

Senior GIS Manager

- Upgrade of existing sewer and pump stations. Provision of new sewers and pump stations in support of BNG Phase 1. Responsible for providing mapping for reports

Mthatha WWTW Phase 1A

Senior GIS Manager

- Upgrading of Mthatha WWTW Phase 1A - Plan, design and supervision

Matatiele WWTW

Senior GIS Manager

- Refurbishment and upgrade of the Matatiele wastewater treatment works

Mthatha Sports Stadium

Senior GIS Manager

- Water services for the Mthatha Sports Stadium

Buffalo City Water Services Master Plan

GIS Technician

- Development of a master plan to direct capital investment, direct the housing program, develop appropriate policy and to develop an electronic database of existing rural water services infrastructure

Oliver Tambo District Municipality SSA

Senior GIS manager

- Provision of SSA support to the OR Tambo District Municipality to assist with the management of the water services infrastructure in the area of jurisdiction

Ncera Dams

Senior GIS manager

- Assessment of existing and design of new dams to supply irrigation water to 600ha of macadamia nut plantations. Included 3D suitability mapping

COURSES ATTENDED

- Engineering for Data Capture
- Microstation Geographics
- Visual Basic
- Microsoft Office
- Microstation
- Descartes
- Surpac
- USmart
- ProSur

