

Curriculum Vitae

Angelique Alice Brooksbank

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E D U C A T I O N

Secondary:

Name: Portlands Senior Secondary
Year: 1991 (Matriculated)

Completed Courses:

Name: Working with ArcGIS 3D Analyst Analyst 9.2 (GIMS)
Year: 2008

Name: Working with Spatial Analyst 9.1 (GIMS)
Year: 2007

Name: Aquimon (SRK)
Year: 2005

Name: ArcGIS 1 (v8.0) (GIMS)
Year: 2004

Name: Sewsan (GLS Engineering). Analysis, Design and Optimization of Water
Water distribution system)
Year: 2002

Name: ArcView 3 (GIMS)
Year: 2000

Name: CorelDraw Advanced (New Horizons)
Year: Dec 1998

Name: CorelDraw Intermediate (New Horizons)
Year: Nov 1998

Name: Arc/Info (GIMS)
Year: 1995

Name: Word Processing (Todds Commercial Colleges)
Year: 1994

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Computer Skills

- MSOffice: Full suite of software, including MSAccess, MSProject: High level of competency
- Idrisi Kilimanjaro: Low level of competency
- ERMapper: Medium level of competency
- ArcInfo 7 for Unix: High level of competency
- ArcStorm: Medium level of competency
- ArcView 3 including Spatial and 3D Analyst: High level of competency
- ArcGIS including Spatial and 3D Analyst, High level of competency
- Erdas Imagine: Medium level of competency
- AutoCad: Medium level of competency
- SEWSAN: High level of competency (Customized AutoCad)

W O R K E X P E R I E N C E

SRK (Steffen, Robertson & Kirsten) Consulting Engineers & Scientists (Johannesburg), GIS Specialist (TAS2)July 2003–2005 and Cape Town, GIS Specialist (Senior TAS2) 2005 - 2009

In 2003 I was offered a position at SRK's head office in Johannesburg. As the GIS Specialist I was responsible for interesting projects for example; four State of the Environment Reports; Project administration, sewers capture for the City of Tshwane Metropolitan Municipality as well as training, data quality control and management of 5 GIS technicians. In 2005 I returned back to the Cape Town office to run the GIS department and implement the experience I gained.

My current tasks include:

- ♦ Spatial data capture, digitising using ArcView 9.3
- ♦ Advanced data capture, editing, manipulation and storage, projection, geo-referencing Raster data
- ♦ Visual Impact Assessments
- ♦ 2- and 3-dimensional spatial data analysis
- ♦ Spatial and attribute data acquisition, editing and quality assurance
- ♦ Detailed mapping and cartography according to project specifications and SRK standards.
- ♦ Problem solving and client liaison regarding data formats, geo location of data, data quality and completeness. Data quality assurance and improvement
- ♦ Map creation using ArcGIS 9.3 package.
- ♦ Project administration
- ♦ Providing in-house training to junior GIS personnel regarding spatial data and mapping standards, digitising and data manipulation in various software packages and general operations.

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- ♦ Structural query language usage to link ArcView GIS data with MSAccess database tables, in order to extract data for spatial display according to specific attributes.
- ♦ GIS database technology applications
- ♦ MSAccess database manipulation and data import
- ♦ GIS and CAD software usage and ArcView 3.2 with 3D and Spatial Analyst extensions, ArcGIS 9.3 with 3D and Spatial Analyst, ArcInfo (UNIX), AutoCAD - Sewsan, Aquimon, CorelDraw and Microsoft Office Suite.
- ♦ Remote Sensing – Aerial photography ortho-rectification, processing and interpretation; and satellite image acquisition and manipulation.
- ♦ Training

SRK (Steffen, Robertson & Kirsten) Consulting Engineers & Scientists (Cape Town), GIS Specialist (TAS1) July 2001 – 2003

In July 2001 I joined SRK Cape Town to start up a GIS department. This proved to be very successful.

My current tasks include:

- ♦ Spatial data capture, digitising using ArcView 3.2
- ♦ Advanced data capture, editing and manipulation, projection, geo-referencing involving Hydrogeological and environmental platform.
- ♦ Detailed mapping and creation of layouts according to project specifications and SRK standards
- ♦ Problem solving and client liaison regarding data formats, geo location of data, data quality and completeness. Data quality assurance and improvement
- ♦ Map creation using ArcView 3.2 and ArcGIS8/9 packages
- ♦ Providing in-house training to junior GIS personnel regarding spatial data and mapping standards, digitising and data manipulation in various software packages and general operations
- ♦ Structural query language usage to link ArcView GIS data with MSAccess database tables, in order to extract data for spatial display according to specific attributes
- ♦ MSAccess database manipulation and data import
- ♦ Project administration and project team work control
- ♦ GIS and CAD software usage and ArcView 3.2 with 3D and Spatial Analyst extensions, ArcGIS 9 with 3D and Spatial Analyst, ArcInfo (UNIX), AutoCAD - Sewsan, Aquimon, CorelDraw and Microsoft Office

Department of Water Affairs and Forestry (DWAf), Senior Auxiliary Officer 1998 - 2001

I was appointed as a Senior Auxiliary Officer in the Information Systems Department at DWAf.

My current tasks include:

- ♦ Manage incoming and outgoing data for the Department of Water Affairs National Groundwater Database (NGDB) and Chemistry Databases (NCDB)
- ♦ Encoding field data and then capturing into the NGDB
- ♦ Handling of data requests from clients and the public
- ♦ Data conversion and exchange
- ♦ Spatial data capturing, digitizing, data editing, basic map production, data exchange and loading data into ArcStorm
- ♦ GIS Specialist for the Calvinia 1:500 000 Hydrogeological map series of the Republic of South Africa (published November 2002)
- ♦ Representative for the Olifants/Doorn Water Management Area;

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- ◆ Served on Regional Information Services Commission
- ◆ Basic mapmaking using Arc/Info (UNIX platform), AML (Arc Macro Language), ArcView3 and ArcExplorer.

Toens & Partners Consulting Engineers; GIS assistant 1997 - 1998

I was appointed as a GIS assistant with Toens & Partners and worked there for a year.

My current tasks include:

- ◆ Digitising using PC ArcInfo, Map Production, CorelDraw, Microsoft Office skills, General office duties

Water Research Commission, Data Controller 1992

After matriculating in 1991, I was appointed on contract for the Water Research Commission as a Data Controller in the Geohydrology Department at the Department of Water Affairs and Forestry. I developed a keen interest in GIS and pursued it as a career.

My current tasks include:

- ◆ Managing incoming and outgoing data of the National Groundwater Database (NGDB) and Chemistry Databases (NCDB)
- ◆ Encoding field data and capturing into the NGDB
- ◆ Handling of data requests from clients and the public
- ◆ Data conversion and exchange
- ◆ Spatial data capturing, digitizing, data editing, basic map production, data exchange and loading data into ArcStorm
- ◆ GIS Specialist for the Calvinia 1:500 000 Hydrogeological map series of the Republic of South Africa (published November 2002).
- ◆ Representative for the Olifants/Doorn Water Management Area
- ◆ Served on the Regional Information Services Commission
- ◆ Basic mapmaking using Arc/Info (UNIX platform), AML (Arc Macro Language) and ArcView 3.
- ◆ Viewing spatial data on ArcExplorer

DEVELOPED SKILLS AND ABILITIES

My experience at work has equipped me with the following:

- Understanding fundamental GIS concepts, software applications and methodologies
- A high level of accuracy and quality
- Literacy in ARC-GIS and general computer proficiency
- Analytical thinking and problem solving skills
- Research, fact finding, recording, filing of information and excellent presentation skills
- Ability to work in a team and interact with people of different cultures.
- Hardworking and attention to detail
- Organisational and planning skills
- Excellent problem solving skills
- To be self-motivated and driven

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Linguistic Abilities:

- English – Excellent
- Afrikaans - Good

I N T E R E S T S

I have a wide range of interests which include the outdoors, walking, reading and travelling.

P R O F E S S I O N A L I N S T I T U T I O N

- In 2003 I registered as a member of the Western Cape Branch of the Geo-Information Society of South Africa (GISSA-WESTERN CAPE)
- In 2007 I received my professional registration as a GISc Technician with the South African Council for Professional and Technical Surveyors.

R E F E R E E S

The following persons have agreed to be my referee and may be contacted using the details below:

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|----|---|---|
| 1 | Jane Baron
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