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MALCOLM GOLLAN

Career

I am currently transitioning into the field of GIS having worked in applied resource geology for over nine years. To obtain this goal I have completed study in computer science and GIS and in November 2017 finished my postgraduate diploma in GIS.

Objective

Key Skills

Technical

- Well-developed skills in ArcGIS, QGIS, MapInfo, and 3D mining packages gained through work experience and study.
- Strong base knowledge of Python programming and application within the ArcGIS environment having completed undergraduate and post-graduate programming papers.
- Skills developed in acquisition and processing of remotely sensed data while working for six months completing ground magnetic surveys. Skills obtained in levelling and gridding data using Geosoft and measuring earthquake displacement using ENVI in post-graduate study.
- Fundamental knowledge of databases and basic SQL gained through work experience and study.
- Ability to analyse and interrogate complex data demonstrated through success as a mineral exploration geologist and completion of an MSc. thesis.

Problem solving Skills

- Practical problem-solving skills developed through applying GIS analysis to better understand underlying geology and supervising technical projects where technology issues, mechanical breakdowns, weather, and changing priorities gave me the ability to think on my feet.

Organisational and Management Skills

- Strong organisational skills and a practical management ability to solve problems logically and quickly as they occur, through working in challenging environments and supervision of people of diverse backgrounds.
- 9 + years professional experience supervising teams of between 2 and 10 staff and contractors.
- Project management abilities working with yearly budgets of up to \$2 M.

Communication Skills

- Concise and high quality written communication skills developed through writing internal company and statutory reports while working as a geologist and completion of an MSc. thesis.
- Effective listening and oral communication skills developed through engagement with landholders and Native Title claimants while working as a geologist, which resulted in positive outcomes for all parties.

Teamwork Skills

- Understand teamwork and commitment needed for success having 4 years' experience as a key member of a small team with Sirius Resources, the most successful company on the ASX in 2012, helping take it from a \$7 M company to more than \$1 B in less than 2 years.

Employment

November 2017 to present Environment Canterbury, ChCh, NZ

SUMMER GIS STUDENT

Currently gaining experience in creating imagery datasets and serving it over the web in addition to gaining experience in the GIS enterprise environment.

January 2015 to January 2017 Self-employed, ChCh, NZ

CONTRACT GEOLOGIST / STUDENT

Self-employed doing short-term contract exploration work contributing to project reviews and drilling programmes alongside study in GIS, computer science and business.

January 2011 to December 2014 Sirius Resources, WA, AUS

PROJECT EXPLORATION GEOLOGIST

Contributed directly to growing the company from significant mineral discovery through to development gaining many skills and insight into business strategy, financing, permitting, native title, health and safety, and project management. Supervised between 2-10 staff and contractors in high risk environments ensuring a safe working environment while exceeding project goals.

October 2009 to December 2010 Oceana Gold, Macraes Gold Mine, Otago, NZ

EXPLORATION GEOLOGIST

Completed gold exploration in a large mining environment gaining experience in mining methodology and well-developed safety systems while contributing to extension of the Fraser Deeps resource.

May 2009 to October 2009 School of Physiotherapy, University of Otago, NZ

RESEARCH ASSISTANT

Assisted with data gathering from participants and analysis of electromyography data gaining experience in ethics, medical experimentation, and signal processing.

April 2006 to November 2008

Terra Search Pty. Ltd, Queensland Minerals Pty Ltd, Diatreme Resources Ltd QLD, AUS

EXPLORATION GEOLOGIST

Worked in contract and permanent roles building technical skills in mineral exploration advancing from junior to senior roles. Much of this time was spent working remotely undertaking exploration programmes, which involved high levels of technical analysis, and extensive relationship building with native title and small land holders. While with Diatreme, this led to significant value being added to their Clermont project through recognition of a new mineralised corridor where consequent encouraging results were encountered.

1990-1999 City Mowers and Colombo Auto Electrical, Christchurch, NZ

AUTOMOTIVE TECHNICIAN

Worked in successful small automotive businesses where I completed an apprenticeship as a small engine technician in 1994 gaining experience in customer relations, sales, technical training of staff, and small business. Left to travel and pursue future study after recognising a need to challenge myself more.

Academic

Qualifications

Postgraduate Diploma in GIS (PGDipGIS) (with distinction), University of Canterbury (2017).
GPA 8.13

Certificate of Proficiency towards entry into PGDipGIS programme. Completed papers in programming and databases (computer science) and GIS (geography), University of Canterbury (2016).

Graduate Diploma in Applied Management (part-time, on-hold). Papers completed in

company law and managerial finance, Ara, Institute of Canterbury (2015).

MSc. thesis (with distinction) Title: Plutonic petrogenesis and mineralisation in southwest Fiordland, New Zealand. University of Otago (Jan 2004 – March 2006).

BSc. Major in Geology, University of Otago (2001-2003).

Achievements

Nominated AMEC Explorer of the Year 2015 for Baloo gold discovery while with Sirius Resources

Society of Economic Geologists Student Scholarship (2005)

University of Otago Postgraduate Award (2005)

Institute of Geological and Nuclear Science Research Scholarship (2004)

Other Interests

Skiing and mountain biking (experienced beginner in both)

Active hiker now with kids in tow (past president and committee member of the Peninsula Tramping Club, Christchurch)

Adventure travel (spent two years working and traveling in Europe and Asia, where I developed a strong interest in Asian culture, which has led to multiple return trips)

Occasional Caver (past trips coordinator for Canterbury Caving Group)

New Zealand industrial history; particularly mining and all things mechanical

Referee's

John Bartlett

Exploration Manager S2 Resources (former exploration manager for Sirius Resources)

Details available on request

David Hall

Retired (former director Diatreme Resources)

Details available on request