



# STAFF PROFILE



**Sarah Shi, M.Sc., P.Geo**  
Resource Geologist

## EDUCATION

- University of Calgary, Calgary, AB, 2009
  - M.Sc in Geoscience (Multidisciplinary program of petroleum, geophysics and geology)
- University of Bergen, Bergen, Norway, 2000
  - M.Sc in Solid Geophysics
- Taiyuan University of Technology, Taiyuan, China, 1997
  - B.Sc in Geology

## EXPERIENCE SUMMARY

Sarah has gained professional experience in both mining, oil & gas and the academic environment. She has been worked in the mining sector for more than 10 years with experience in exploration planning and management, logging and sampling, geomodelling, coal quality evaluation, resource and reserves evaluation, geophysical interpretation, geotechnical assessment, hydrogeological and environment monitoring, reclamation and closure plan, as well as experience with mine permit application, NI 43-101 report and other technical reports preparation, database manipulation and management, and management of tailings dam facility and water treatment facility.

## DEPOSIT TYPES

- Coal
- Gold

## LANGUAGES

- English (fluent)
- Chinese (fluent)

## SOFTWARE & INSTRUMENTATION

- Minesight
- ArcGIS
- Leapfrog
- Surfer
- Geosoft
- Strater
- CorelDraw
- Adobe
- AutoCAD
- LaModel
- ARMPS
- Slide
- EQWin
- Geosoft
- Microsoft Office

## CERTIFICATES

- Mine Supervisor
- WHIMS

## PROFESSIONAL ASSOCIATIONS

- APEGA
- APEGBC



# STAFF PROFILE

## PROFESSIONAL EXPERIENCE:

PROJECT	DETAILS
<b>Coal Exploration (grassroots, in- fill and advanced)</b> <i>BC and AB, Canada</i> Senior Geologist/Project Manager/Resource Geologist 2010-present	<ul style="list-style-type: none"><li>• Prepare exploration permit application;</li><li>• Plan, budget and manage exploration program;</li><li>• Project drillhole locations, total depth and coring depth from geological model;</li><li>• Drilling locations/sites evaluation;</li><li>• Supervise drilling contractors and personnel;</li><li>• Communicate with land owners and first nations;</li><li>• Core logging, photographing and sampling for both coal and rocks;</li><li>• Reclamation of the drillholes and sites;</li><li>• Arrange sample shipping and lab analysis;</li><li>• Manage and manipulate geology database;</li><li>• Evaluate coal quality;</li><li>• Generate coal assessment, coal exploration summary, NI43-101 and JORC reports,</li></ul>
<b>Gold (Epithermal) Exploration</b> <i>Colorado, USA</i> Resource Geologist 2019	<ul style="list-style-type: none"><li>• Direct ground magnetic survey;</li><li>• QA/QC magnetic data;</li><li>• Produce magnetic maps;</li><li>• Generate summary of magnetic survey data analysis.</li></ul>
<b>Limestone Exploration (advanced)</b> <i>Ontario, Canada</i> Research Associate 2004	<ul style="list-style-type: none"><li>• Magnetic study supported exploration and drilling;</li><li>• Drilled, orientated and collected samples (diameter of 2.5cm);</li><li>• Samples analysis, data compilation and analysis.</li></ul>
<b>Cretaceous Basalt Exploration (grassroots and advanced)</b> <i>Shanxi, China</i> Research Associate 2000-2003	<ul style="list-style-type: none"><li>• Rock magnetic, chronological dating and geodynamic study supported exploration and drilling;</li><li>• Funding proposal preparation;</li><li>• Geological mapping;</li><li>• Drilled, orientated and sampling;</li><li>• Samples data compilation and management;</li><li>• Lab analysis arrangement;</li><li>• Data processing and analysis;</li><li>• Academic papers publication.</li></ul>

## PROFESSIONAL DEVELOPMENT:

DESCRIPTION	TYPE	YEAR
<ul style="list-style-type: none"><li>• Leapfrog</li></ul>	Online Training Course	2019



## STAFF PROFILE

---

• LaModel	Training Course	2015
• ARMPS	Professional Training	2015
• Slide	Professional Training	2014
• Minesight Geomodelling and database	Training Courses	2010; 2014
• Minesight Planning and Scheduling	Training Courses	2012