

# Kimsan Mak

Data Analyst / Geoscientist (MBA)

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## PROFILE

Data analyst with a background in geosciences, specializing in complex geo-data analysis, 3D geology and groundwater modelling, and project management in the mining, metal production, and environmental domains. Dedicated to leveraging skills in data analytics to drive actionable insights and informed decision-making.

## SKILL SETS

### Data Analytics

**Python:** Group & Aggregate / Regression Supervised ML / Clustering Unsupervised ML / Time Series Data

**SQL:** Join / Query / Subquery / CTE

**Tableau:** Statistical Analysis / Spatial Analysis / Dashboard / Storyboard

**Excel:** Pivot Table / Statistics / VBA

### Geological & Groundwater

Data Quality Check / Data Preparation / Geospatial Analysis / Correlation Analysis / Geostatistical Analysis / Resource Modelling / Flow & Transport Modelling / Data Visualization

### Soft Skills

Teamwork / Communication / Problem-Solving / Adaptability / Political and Cultural Awareness / Resilient

### Tools

Micromine© / Geosoft Target / ArcGIS / MODFLOW / PMWIN /

### Languages

Mandarin (native) / English (fluent) / Germany (proficient) / Malay (fluent)

## EDUCATION

CareerFoundry, Data Analytics (2024)  
University of Maastricht, MBA (2017)  
University of Tübingen, M.Sc. Applied Environmental Geoscience (2002)

## HIGHLIGHTS OF RELEVANT EXPERIENCE

### Data Analytics and Modelling

- Completed CareerFoundry's **data analytics course projects** covering diverse domains, including sales and marketing strategy of online video games, customer segmentation of online grocery businesses, strategy for online movie rental, preparation of influenza season in the US, churn prediction of bank customers, and determining attributes of Airbnb listings in Berlin.
- Directed improvements in **data collection, data quality management**, and **data analysis** for a copper-cathode producing mine that generates over \$100 million annually.
- Enhanced **data-driven operations, developed 3D geo-models, and conducted resource modelling** for an advanced gold project.
- Conducted **geostatistical analysis**, and assisted in **technical-financial evaluations** of mining projects M&A in Africa.
- Evaluated multi-element and geospatial data** and fast-tracked near-mine brownfield drilling and greenfield copper exploration.

### Project Management

- Led a 16-member team** of geologists, consultants, and contractors in managing an advanced gold project, successfully **expanded gold resources** from 1.67 to 2.20 million ounces within three months. **Completed** a comprehensive **feasibility study** within 14 months, showcasing strong project management and **execution abilities**.
- Led and coordinated a team of consultants and contractors** in executing geo-engineering surveys, soil and groundwater assessments, and compliance audits. Managed projects ranging from tens to hundreds of thousands of USD, ensuring **high-quality deliverables** within established **timelines** and **budgets**. Demonstrated **leadership** in fostering collaboration, and maintaining **client relationships** for successful project outcomes.
- Offered **technical support** and managed **data analysis** for uranium exploration teams in Chad and Niger, cultivating **political and cultural awareness, integrity**, and strong **work ethics** to thrive in demanding conditions.

### Communication

- Presented** project **outputs** to senior management, business partners, clients, and team members.
- Built trust**, sought common goals, and collaborated with joint venture partners to **enhance cooperation**.
- Collaborated with stakeholders** in mitigating the social-environmental fallout from artisanal gold mining, and disseminating project information to the community.

## SELECTED WORK HISTORY

**Consulting Geologist**, Self-employed / Germany (07.2020 - present)

**Deputy COO**, Soremi SA / Republic of Congo (06.2019 - 05.2020)

**Project Manager**, Azumah Resources Ltd. / Ghana (02.2012 - 07.2014)

**Technical Manager**, Signet Mining Ltd. / South Africa (04.2008 - 04.2010)

**Senior Consultant**, ERM Shanghai / China (08.2005 - 07.2007)