



Penryn, United Kingdom
rhys.morgan@gmail.com
+44 7435 182 649
linkedin.com/in/rhysmorgan-mining

Mining Engineering graduate from the University of Exeter (Camborne School of Mines) with a **10 week summer placement** at Woodsmith Mine. Assisted with stope design in **Deswik**, supported geological logging of **1,200 metres of drill core**, and helped prepare a ventilation survey covering **4.5 km of underground development**. Graduated with **Upper Second Class Honours (65% average)** and hold IOM3 graduate membership.

Rhys Morgan

TRAINEE MINING ENGINEER

EDUCATION

BEng (Hons) Mining Engineering in Mining Engineering

University of Exeter (Camborne School of Mines), Penryn

Sep 2022 – Jun 2026

Graduated with Upper Second Class Honours (**65% average**). Programme accredited by IOM3.

- Final year project on geotechnical stability assessment of a sublevel stoping operation using Phase2 numerical modelling, graded **72%**
- Completed **6 weeks of field mapping** in Cornwall and North Wales as part of the geological fieldwork component

SKILLS

- Deswik.CAD (Mine Planning)
- Datamine Studio RM
- AutoCAD
- Geological Core Logging
- Ventilation Survey & Design
- Underground Mining Methods
- Rock Mechanics (Phase2/RS2)
- Blast Design Fundamentals
- Mine Safety & Legislation
- Technical Report Writing
- Microsoft Excel
- GIS (QGIS)

CERTIFICATIONS

IOM3 Graduate Member (GradIOM3)

Institute of Materials, Minerals and Mining

Sep 2025 – Sep 2025

CPCS Dumper Truck (A09)

Construction Plant Competence Scheme

Jun 2024 – Jun 2024

First Aid at Work (3-Day)

St John Ambulance

May 2025 – May 2025

LANGUAGES

- English - Native
- Welsh - Basic

EXPERIENCE

Mining Engineering Intern (Summer Placement), Anglo American (Woodsmith Mine), Whitby, North Yorkshire

Jun 2025 – Aug 2025

Completed a 10 week summer placement at the Woodsmith polyhalite mine during the development phase.

- Assisted the mine planning team with stope design and development scheduling in **Deswik.CAD**, producing **6 layout drawings** for review
- Supported geological logging of **1,200 metres of drill core**, recording lithology, mineralisation, and RQD data
- Helped prepare a ventilation survey covering **4.5 km of underground development**, recording air velocity and temperature at **32 monitoring stations**
- Attended **daily safety briefings** and completed underground induction training including self-rescue equipment and shaft procedures

Quarry Labourer (Summer Work), Hanson Aggregates, Penryn, Cornwall

Jun 2024 – Aug 2024

all

General labouring role at an operational granite quarry during the summer break.

- Assisted with blast clearance, crushing plant maintenance, and stockpile management over **10 weeks**
- Operated a dumper truck (CPCS certified) and completed confined space awareness training

PROJECTS

Sublevel Stopping Geotechnical Assessment (Final Year Project)

Sep 2025 – Apr 2026

Assessed the geotechnical stability of a sublevel stoping layout for a hypothetical copper mine using numerical modelling.

- Built a 2D finite element model in Phase2 (RS2) with **5 stoping configurations** and varying rock mass quality (GSI 40 to 70)
- Determined that crown pillar thickness of **8 metres** provided a factor of safety above 1.5 for all modelled scenarios
- Produced a **52 page technical report** with recommendations for instrumentation and monitoring

EXTRA CURRICULAR ACTIVITY

Camborne School of Mines Student Association Secretary

Sep 2024 – May 2026

Organised the annual **CSM Dinner** for **180 attendees** and coordinated **2 mine site visits** to South Crofty and Wheal Jane.