

Eleanor Agent

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WORK EXPERIENCE

Nyrstar

Short Range Planning Engineer

November 2024 – Present

- Prepare detailed 7-day production and development schedules that align with long-term mine plans and strategic goals, considering mobile/fixed maintenance, survey, geology, and electrical schedule sequencing
- Create optimized blasting plans for bulk shots based on driller information and operational data to ensure safe and efficient ore extraction
- Monitor Compliance to Plan and adjust during the week as needed, troubleshoot variances, and revise schedules to stay on target
- Plan layouts and sequences to maximize productivity of equipment and labor, while minimizing rework and downtime

October 2022 – November 2024

Operations Engineer

Mascot, TN

- Develop hands-on frontline underground operations experience and proficiently operate mining equipment while adapting to the demanding 12 hour rotating shift work
- Establish and maintain engineering designs that focus on safety in compliance with operations standards, help fortify engineering-operations relationship by engaging in various business improvement mining projects with the crews
- Acted as substitute foreman, overseeing 20-person crew to ensure adherence to operational standards and efficiency, demonstrating strong leadership skills in a challenging environment
- Operate underground mining equipment and load explosives in headings with an uncompromising focus on safety excellence. Equipment includes: CAT AD63 and Sandvik TH540 haul trucks, Sandvik Toro LH517 Loader, Getman A64 Anfo Rig, Sandvik DS412 Bolter, various other utility support equipment

Technical Services Engineer

January 2022 – October 2022

- Developed annual 3-month rolling forecast and operational strategies to ensure budgeted production tonnes
- Acted as primary site engineer for ventilation, pumping and dewatering strategy, and ground control concerns
- Communicate long term capital development and infrastructure designs to key stakeholders such as mine managers and business partners and ensure smooth project execution

Nevada Gold Mines

May 2019 – January 2022

Underground Paste Backfill Engineer

Elko, NV

- Produced paste backfill designs with fill types, mix strengths, and reticulation routes
- Improved existing hydraulic model with percent solids using Bingham Yield Stress Model
- Provided technical guidance on paste, including moisture content, underground pipe changeovers, and QAQC concerns

Underground Geotechnical Engineer

- Led teams to mitigate ground hazards and provided alternatives for continued operations
- Reviewed and approved underground geotechnical considerations for stope, development, and pastefill designs
- Managed contractors for research, analysis, and design of Roadheader equipment use in capital development

Newmont Mining Corporation

May 2018 – August 2018

Mining Engineer Internship

Elko, NV

- Mapped/collected samples of rock sap (copiapite) to compose chemical analysis to determine source of spread
- Performed bolting time study for accurate timing on ground support installation process
- Participated in stability assessment of stopes, drifts, and other excavations using geotechnical mapping and instrumentation

EDUCATION

University of Mississippi

May, 2019

MS, Geological Engineering

Oxford, MS

- Thesis: Evaluation the use of sUAS-derived imagery for monitoring flood protection infrastructure
- Led discussions and Physical geology labs as a Graduate teaching assistant

University of Houston

December, 2016

BS, Geology

Houston, TX

- Summer internship abroad (2017) for US-China student collaboration on landslide research in Wuhan, China developing GPS based early detection warning systems
- Member of the Spirit of Houston Marching Band

SKILLS & INTERESTS

- Licensed blaster for the state of Tennessee, Licensed LDP Facilitator, Six Sigma Yellow belt (in progress)
- Proficient in AutoCAD, Deswik CAD, and Deswik Scheduler, Power BI, SAP