

Contact

www.linkedin.com/in/clarence-w-goh (LinkedIn)

Top Skills

Customer Service
Engineering
Teamwork

Languages

English (Professional Working)

Certifications

HLTAID003 Provide First Aid

Honors-Awards

First Class Honors - Mining
Engineering

Clarence Goh

Senior Mining Engineer at BHP NickelWest
Greater Perth Area

Summary

A mining engineer with 7+ years of on-site experience in the mining industry. Have experience in Iron Ore and Alumina - Short Term and Medium Term Mine Planning. I am always looking forward to new opportunities to increase my knowledge in mining both open pit and large scale mining operations and the challenges associated with it. I am passionate about the people and always looking for roles that I am able to help and guide people.

Range of on-site experience include 12 Week Scheduler, Weekly Scheduler, Exploration Supervisor, Drilling and Drill Prep Supervisor, Production Mining Operator, Drill and Blast Operator, Short-Term Design Engineer, Mine Geologist, Drill and Blast Engineer, Technician Noise Modelling, Drill and Blast Coordinator

Open Pit Sites:

- South32 Worsley Alumina Boddington Bauxite Mine
- BHP WA South Flank Iron Ore Mine
- BHP Nickel West Mt. Keith

Underground Sites:

- BHP Nickel West Leinster and Cliffs

Experience

BHP

1 year 8 months

Senior Mining Engineer

April 2022 - Present (7 months)

Perth, Western Australia, Australia

12 Week Scheduler

February 2022 - April 2022 (3 months)

Perth, Western Australia, Australia

Acting Senior Mining Engineer
February 2022 - April 2022 (3 months)
Perth, Western Australia, Australia

Weekly Scheduler
July 2021 - January 2022 (7 months)
Perth, Western Australia, Australia

Key responsibilities:

- Creating the weekly production and drill and blast schedules for South Flank Mine Site
- Working closely with Medium Term Scheduling Engineer to ensure the weekly plans are aligned with monthly priorities and targets.
- Effective communication to Production, Fix Plant and Mine Services teams in relation to weekly plan, outcome of plans and any risks to the plan.
- Lead inputs and plan roll out meetings.

Major achievements:

- Increase Spatial Relative by 10% to reduce variability in the mining plan through implemented routines with mining teams.
- Stability within the mine plan during mining ramp up and commissioning process i.e. maintaining tonnages and grades with only one crusher.
- Quick learning time with new software and creating weekly schedulers.

Mining Engineer
March 2021 - July 2021 (5 months)
Western Australia, Australia

Key responsibilities:

- Creating short term designs for mining and mine services team at South Flank Mine Site
- In charge of detail job packs for large scopes of work, breaking down jobs into plannable and achievable targets for workgroups.
- Working closely with the Weekly Scheduler to ensure the weekly plans can be enabled with the correct designs and ensure they are uploaded to the machinery and to provide feedback into the weekly plan.
- Lead inputs meeting with relevant mining, mine service and mine planning stakeholder to discuss critical jobs around site and gain feedback an inputs for designs.

Major achievements:

- Optimised naming conventions to standardised GPS work files for easy recognition and access.

South32

6 years 5 months

Scheduling Engineer

June 2019 - March 2021 (1 year 10 months)

Boddington, Western Australia, Australia

Key responsibilities:

- Creating the weekly production, development and drill and blast schedules.
- Working closely with Medium Term Scheduling Engineer to ensure the weekly plans are aligned with monthly priorities and targets.
- Effective communication to Production, Fix Plant, Mine Services and Maintenance teams in relation to weekly plan, outcome of plans and any risks to the plan.
- Lead plan conformance and plan roll out meetings.

Major achievements:

- Filled in as the Senior Weekly Scheduler – scheduling all the activities on the mine site.
- Filled in as the Medium-Term Engineer – scheduling and rolling out 3-month plan scope of work.
- Assisted the F08 forecast by scheduling activities from a 2YR timeframe to a 5YR timeframe for addition clarity on mining activities.

Exploration Drilling Supervisor

August 2018 - June 2019 (11 months)

Boddington, Western Australia, Australia

Reporting directly to the Superintendent Development Services. The role entails safely executing the exploration drilling program at Boddington Bauxite Mine.

Key responsibilities:

- Supervisor of the Exploration Drilling Team (4 drillers, 2 technicians and 2 contractors).
- Section 44 Appointed Person.
- Safely executing the summer exploration drilling program with regards to priority drilling areas.

- Track machine and operator performance and work towards achieving daily and weekly plan targets and spatial compliance.
- Ensure effective communication and coordination between Exploration Geologist, Drill and Blast Coordinators and Maintenance teams.

Major achievements:

- Youngest appointed supervisor on site at age 26.
- Achieving both annual target (10,000 holes) and stretch targets (15,000 holes) for FY19 drilling program.
- Safe execution of targets with 0 TRIF or major events.
- Co-led the pre-season analysis and scope of works ahead of vacuum drilling season.
- Shifted the operational and safety focus from reactive to proactive management which lead to increase team dynamics and increased productivities.

Drilling Supervisor

July 2018 - October 2018 (4 months)

Boddington Bauxite Mine

Reporting directly to the Superintendent Development Services, the role entailed focusing on safely executing and implementing drill perpartions activities and drilling plans. Work in conjunction with the Services and Blasting Supervisor.

Responsibilities:

- Supervising 9 Direct Reports which include four drill operators and two contractors, two terrain leveller operators and a dozer operator.
- Supervision of 2 x Cat 330F Excavator with Montabert Drill Attachment, 2 x Atlas Copco SmartROC T45-10, 2 x Vermeer TH1255 Terrain Levellers and 1 x Cat D10T
- Implementation and the execution of drill plans in safe manner.
- Implementation and the execution of primary over burden removal using the terrain levellers.
- Review and track machine performance throughout the shifts to track targets for each shift against weekly planned targets

- Provide daily updates of the progress towards completion of priorities identified in the Weekly Plan and where necessary provide the actions required to deliver the priorities on time and in full.
- Employee and Contractor performance management.
- Risk Assessment technical inputs
- Effectively assigning and communicating tasks to teams and team members,
- Identifying performance enhancing initiatives,
- Analysing variances, trends, risks and opportunities across shifts,
- Highlighting operational performance issues to leaders,
- Driving continuous improvement and challenging the status quo.

Graduate Mining Engineer

January 2016 - September 2018 (2 years 9 months)

Boddington, Western Australia, Australia

Completed my Graduate Program at South32 Boddington Bauxite Mine.

Completed Operational Time for Quarry Managers Certification

Sites: Worsley Alumina - Boddington Bauxite Mine

Rotations;

- Scheduling Team: Work to produce the Weekly and 6 Weekly Scheduling
- Design Team; Focusing on Road and Rehabilitation designs and Plan Sign Off.
- Operational Experience
- Load and Haul Operation Team - 8 months Driving CAT795XQ
- Blasting Crew Operator - 4 months

Drill and Blasting Coordinator

December 2017 - March 2018 (4 months)

Boddington, Western Australia

Reporting directly to the Superintendent Development Services, the role entailed focusing on safety improvements in daily operations and to plan, manage and coordinate Drill and Blast Operations and communicate the plan effectively to all stakeholders.

Responsibilities:

- Review and confirm drill & blast activities & targets scheduled for inclusion in the Weekly Plan (Drilling preparation, production drilling, blasting, exploration drilling)
- Attending and representing the drill and blast team at pre-scheduled meetings with different stake holders

- Provide daily updates of the progress towards completion of priorities identified in the Weekly Plan and where necessary provide the actions required to deliver the priorities on time and in full.
- Preparation of daily drill & blast plan and reviews of the previous shift performance.
- Provide input into the assessment of Week to Date (WTD) performance and attainment to the Weekly Plan
- Contractor performance management & cost control
- Consumables/inventory management
- Risk Assessment technical inputs (working with Blasting Engineer)
- Effectively assigning and communicating tasks to teams and team members,
- Resolving resourcing and scheduling issues to deliver the plan,
- Providing input into all planning horizons and support the development of the weekly plan,
- Managing Explosive Magazines,
- Managing Explosive products inventories,
- Identifying performance enhancing initiatives,
- Analysing variances, trends, risks and opportunities across shifts,
- Highlighting operational performance issues to leaders,
- Driving continuous improvement and challenging the status quo.

Weekly Scheduler

July 2017 - October 2017 (4 months)

Boddington, Western Australia, Australia

My role is to schedule all Primary Overburden Removal, Production Drilling and Blasting.

Responsibilities include:

- Working to create the weekly and 6 week drill and blast schedule as well as for the surface miner/terrain leveller (Vermeer T1255 and T1655) for the primary overburden removal
- Maintaining required explosive stock levels
- Working to produce the 3 month plan and 2 year plan for drill and blast.

Drill and Blast Engineer

June 2016 - July 2017 (1 year 2 months)

Boddington, Western Australia, Australia

My role is to coordinate, design and schedule all Primary Overburden Removal, Production Drilling and Blasting.

Responsibilities include:

- Working to create the weekly and 6 week drill and blast schedule as well as for the surface miner/terrain leveller (Vermeer T1255 and T1655) for the primary overburden removal. These weekly plans link to the 3 month and 2 year plans.
- Designing drilling, charging and tie in patterns for production drilling and production blasting
- Maintaining required explosive stock levels
- Contract managing with explosive suppliers
- Designing for the surface miner/terrain leveller (Vermeer T1255 and T1655) for primary overburden removal
- Working to produce the 3 month plan and 2 year plan for drilling and blasting.

Geologist

July 2015 - January 2016 (7 months)

Boddington, Western Australia, Australia

Work full time alongside the Geology Team in the Production Planning Team

- Help commission two new exploration drill rigs coming onto site.
- Writing of standard work procedures for commissioning process
- Working with exploration geologist to log exploration core samples
- Exposure to drill site planning, preparation and management
- Supporting production team with block-outs for ore mining.

Technician Noise Modelling

March 2015 - June 2015 (4 months)

Boddington, Perth

Working part time in the Production Planning Team.

- Responsible for noise modelling including modelling noise within the 2 year mine plans;
- Noise sensitive investigations;
- Modelling different mining scenarios to see how that affects ambient noise levels at points of interest;
- Comparison of predictions to actual noise levels and evaluating software's viability
- Working independently, looking at areas of improvement for noise modelling
- Excel base work, creating pit availabilities based on noise legislation and the predictions

- Worked together with Senior Mining Engineers and other technical professionals to learn the implications of noise modelling on mining operations for better planning
- Use of PredictorTM and VULCAN Software programs with noise modelling

Undergraduate Mining Engineering Student

November 2014 - February 2015 (4 months)

Boddington, Perth

My job role was an Undergraduate Mining Engineering Student, part of the Production Planning Team, at Boddington Bauxite Mine. Roles and Responsibilities during my time at South32 were:

- Responsible for short and medium term planning of operations within the Boddington Bauxite Mine.
- Learning the intricacies of mining bauxite with the addition of very close neighbours. Looking at mining methods and scheduling of bauxite satellite pits
- Responsible for noise modelling including modelling noise within the 2 year mine plans and noise sensitive investigations
- Good communication and team working skills, having to work with Community Relations, Operational and Production planning team to reduce mining noise on surrounding neighbours
- Modelling different mining scenarios to see how that affects ambient noise levels at points of interest
- Comparison of predictions to actual noise levels and evaluating software's viability
- Working independently, looking at areas of improvement for noise modelling
- Excel base work, creating pit availabilities based on noise legislation and the predictions
- Worked together with Senior Mining Engineers and other technical professionals to learn the implications of noise modelling on mining operations for better planning
- Working with pit control, learning the operational procedure in regards to noise controls and noise procedures
- Use of PredictorTM and VULCAN Software programs with noise modelling

MYER

Sales Assistant

July 2013 - August 2014 (1 year 2 months)

Sale Assistant at Myer:

- Assist Clients in the retail experience

- Product knowledge
- Customer Service – Engaging, Listening and Attending to customers needs
- Stock Handling and Monitoring
- Creating a safe and risk/hazard free workplace
- Till operations

BHP Billiton

Undergraduate Mining Engineering Student

December 2013 - February 2014 (3 months)

My job role was a Undergraduate Mining Engineering Student part of the Mine Planning Team for the Iron Ore sector. Roles and Responsibilities during my time at BHP Billiton were:

- Open Pit Designs using VULCAN Software.
- Using Vulcan software to re-design and optimise current open pit
- Particular focus on design/re-design of Waste Dumps in the Eastern Pilbara Region – looking at maximising In-Pit capacity whilst minimising the external waste extent.
- Re-profiling and closure of waste dumps
- Preparation of designs for approval to be use on site
- Focusing on optimisation and scheduling
- Using excel spreadsheet and other in-house software, to forecast and schedule waste to their respective site, comparing it to the current mine plans and the create conceptual Pit and waste dump face positions
- Present and relay current strategies and scheduling to other team members
- Working and liaising with all levels of industry professionals

Raffles Hotel

Senior Waitstaff

August 2010 - July 2013 (3 years)

Senior Waitstaff at Deco Raffles Hotel:

- Looking after the Restaurant
- Supervision of Staff
- Running of service
- Opening and Closing of the Restaurant
- Till Operations including settlement and close up of tills
- Managing Rostered Staff and working together achieve daily targets and goals
- Supervision of Food
- Mentoring and training new staff

- Creating a safe working environment

Education

The University of Western Australia

Bachelor's Degree, Mining Engineering and Commerce · (2010 - 2015)

Corpus Christi College

High School · (2005 - 2009)