THOMAS ALLSOP

CONTACT

Home Address:
****

University Address:
****
****

Tel: **************

Email: ******************

References:
****
****
Lecturer in Sustainable Mining (my tutor)

****
****
Supervisor while working at British Gypsum

EDUCATION

University – Camborne School of Mines:
1st Year Grade: **75.5% (First Class)**
2nd Year Grade: **76% (First Class)**
Received two **Deans Commendation Awards for Exceptional Performance**, one for each year.

Key University Modules
Underground Excavation Design, Surface Excavation Design, Mine Design (Deswik), Mine Ventilation, Geotechnics, Safety & Sustainability, Mineral Processing, Mine Tailings Engineering.

A-Levels – Fortismere School 2012 – 2019:
Mathematics – **A**, Computer Science – **B**, Geography – **C**

SKILLS

• Completed online Deswik training (mine design & scheduling), VentSim
• Python knowledge (intermediate)
• Excel & Excel VBA & Microsoft Office proficient
• MatLab, DIPS, BowTie XP, RocScience Software
• Full drivers licence
• Flutter (intermediate app building knowlege)
• British & Swiss Citizenship (German at conversational level)
• Spanish at beginner level

BACKGROUND

I am a third year BEng Mining Engineering student at Exeter University with Camborne School of Mines (CSM) situated in Penryn, Cornwall.

I have a keen interest in working on the implementation of new technology in mining. I am an adaptive hard-working individual, who thrives in team-oriented tasks. I am part of the CSM Tennis society and have competed in the World Mining Competition.

WORK EXPERIENCE

BRITISH GYPSUM – Mining Engineering Internship

Barrow Upon Soar, June – August 2021
Twelve-week mining engineering placement at Barrow Mine with British Gypsum. Experiences I have had but not limited to are:
• Coded software using Excel VBA to automate laborious admin tasks (namely a monthly machine availability sheet)
• Created a schedule for a panel move-up (substation, continous miner feeder, cabin etc), including a checklist for tools/workforce required
• Initiated a trial into using HVO (Hydrogenated Vegetable Oil) as a new biofuel alternative to diesel. This was done by sampling DEEE (Diesel Engine Exhaust Emissions) in a set location running diesel machinery, to use as a baseline for comparison.
• Drove DBT Ram Cars on production (used in load/haul process), received training on driving Scoop Trams
• Operated one of Barrow's 12HM36 Joy Continuous Miners (JCM) using remote control hardware
• Aided the mine's surveying team with setting out future headings & cross-cuts
• Assisted general mining practice (ensuring safe roof support was left, picks on the JCM were replaced, and dust collection ducting was in place to limit personal exposure)
• Assisted in setting up new switch-gear in one of Barrow's substations

Research Intern

EPSRC (Engineering and Physical Sciences Research Council) Funded, Autonomous Robotic InSpEction (ARISE), June - September 2020
Autonomous Robotic InSpEction (ARISE). This project is aimed at developing a robot that uses automation and photogrammetry to survey newly blasted tunnel faces, open stopes or orepasses with hang-ups and other dangerous sites in an underground mine.
• Used Python (RCPY library) to code remote control
• Created software that allowed the model robot to follow a Bluetooth signal
• Tested tracking and object detection software
• Used built in MPU (Motion Processing Unit) to create a compass function

Judo Coach

FiveSixSeven Judo Club, London, November 2018 - March 2019
I have taught Judo (I am a certified Level 1 BJA Coach) to under-11s at my local club which I have been attending for 10 years. I did this entirely voluntarily and pride myself in having helped younger attendees with their Judo needs.