

Experience

- Oct 2018 **Data Engineer**, *2U, Short Course*, Cape Town, RSA.
present
- Consolidating disparate tools and strategies for data replication and processing to a limited tools
 - Managing the design and implementation of the education data mart, primarily sourcing data from the learning management system (LMS)
 - Maintenance and enhancements to existing pipelines
 - Training and support for analytics and engineering teams
- July 2018 **Data Analyst**, *2U, Short Course*, Cape Town, RSA.
Sept 2018
- Collaborating with business stakeholders to identify and implement high value data artifacts
 - Maintenance and enhancements to existing ETL scripts
- June 2017 **Junior Data Analyst**, *2U, Short Course*, Cape Town, RSA.
June 2018
- Building and maintaining custom internal dashboard, a basic php & html site directly connected to our MySQL database
 - Enhancing and maintaining ETL scripts, written in R, deployed to AWS EC2, scheduled via crontab
- Jan 2016 **Mechanical Engineer**, *Lesedi Nuclear Services*, Cape Town, RSA.
Mar 2017
- Project engineer for the Medupi power station, working on the balance of plant low pressure services (compressed air, low pressure water, fire water)
 - Compiling of design documentation for certification, commissioning, and hand-over
 - Commissioning and verification of the compressed air supply system (Units 5 & 4)
- Mar 2014 **Project Coordinator**, *Lesedi Nuclear Services*, Lephalale, RSA.
Oct 2015
- On-site project engineer for the compressed air system at the Medupi Power Station
 - Processing design changes based on site as built conditions

Education

- 2010 - 2013 **B.Sc. (Engineering) in Electro-Mechanical Engineering**, *University of Cape Town*, Cape Town.
Degree awarded with honours

Tools / Services / Languages

- Languages SQL, Python, R, shell
- Databases PostgreSQL, Redshift, MySQL, Snowflake (recent exposure)
- Data (tools) Data build tool, Tableau, Superset, Airflow
- Git Experienced with branches, conflicts, release workflow, etc
- Linux Using Linux since 2010
- Containers Familiar with Docker and Kubernetes

Skills

- Teamwork Worked as part of multi-discipline teams (2U, Lesedi)
- Mentoring Mentoring junior team members