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| DINO KHARIVHE  Vanderbijlpark, Gauteng, South Africa · 0834710967  [dinokharivhe@gmail.com](mailto:dinokharivhe@gmail.com) ·[linkedin.com/in/dino-kharivhe-68701955](https://www.linkedin.com/in/dino-kharivhe-68701955/?lipi=urn%3Ali%3Apage%3Ad_flagship3_resumebuilder%3B1Kwij1mLQuaW1K1i7NbDVA%3D%3D) |
| Results-oriented Mechanical Engineer with over 3 years of experience in executing mechanical equipment design, engineering, repair, and modification. Proven track record of meeting engineering principles, standards, and business requirements. Skilled in cross-functional collaboration, technical solutions, detailed calculations, and project execution. Committed to compliance with engineering standards, codes, and safety. Seeking to contribute expertise to in the field of Mechanical Engineering. |

# Experience

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| 06 June 2022 – presentassistant mechanical engineer, proconics (pty) ltd **Responsibilities:**   * Executed mechanical equipment design, repair, and modification projects, ensuring compliance with local and international standards. * Conducted detailed calculations using FEA and Prokon to validate conceptual designs. * Collaborated with cross-functional teams to deliver projects within scope, budget, and schedule. * Compiled operational procedures and manuals for structural verifications. * Led 3D site scanning and model conversion for enhanced project accuracy. * Committed to safety and adherence to Occupational Health and Safety Act regulations. * Implemented measures to minimize errors and rework, contributing to project efficiency. * Active participant in MFD reviews, HAZOP studies, and design philosophy meetings. * Executed Piping 3D models and Isometric Drawings using CADWorx, AutoCAD and MicroStation. * Conducted design check calculations using PV Elite and Code Calc. * Performed pipe stress analysis using CAESER II. |
| 02 AUGUST 2021 – 03 JUNE 2022ENGINEER-IN-TRAINING (EIT), PG BISON **Responsibilities:**   * Supported press health care maintenance management and root-cause analyses. * Utilized inspection techniques for anomaly detection and collaborated on findings. * Applied reliability-centered maintenance practices. |
| 30 july 2020 – 30 july 2021assistant engineer and planner, pcb pOWER VALVES (ESKOM CONTRACTOR) **Responsibilities:**   * Contributed to boiler health care maintenance management. * Ensured compliance with SHEQ requirements and performed inspections. * Supported Occupational Health and Safety Act regulations.  February 2016 – february 2017process operator, unilever (undergraduate program) **Responsibilities:**   * Participated in a year-long engineering program in collaboration with Unilever, working on the commissioning of their new plant in Boksburg. * Actively involved in projects to optimize batch cycle times alongside Chemical and Process Engineers. * Contributed to the successful operation of the plant. |

# Education

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| current studies 2023master of engineering (mechanical), UNIVERSITY OF THE WITWATERSRAND |
| (Expected completion: 2024)  * Operations and Production Management * Total Quality Management, Total Productive Maintenance, Lean and Lean Six Sigma principles, Failure Mode and Effect Analysis (FMEA) * Management Accounting * Machine Learning for Engineers * Reliability Engineering  JULY 2021BSC MECHANICAL ENGINEERING, UNIVERSITY OF THE WITWATERSRAND  * Research Project: Effect of Ash Heat Transfer Characteristics on Overall Furnace Heat Transfer During Coal Combustion. * Design Project: Off-Grid Refrigeration in Rural Areas for Preservation and Storage of Food. |
| DECEMBER 2012NATIONAL SENIOR CERTIFICATE, KATLEHONG HIGH SCHOOL Strong performance in Mathematics, Physical Sciences, and Life Sciences |

# Skills

* Finite Element Analysis (FEA)
* AutoCAD, MicroStation, CADWorx, PV Elite, Code Calc, CAESER II
* Strong Analytical and Problem-solving Skills
* Effective Communication and Presentation
* Technical Report Writing
* Safety and Compliance Focus
* Team Collaboration and Project Management
* High Emotional Intelligence and Interpersonal Skills

**CHARACTER & ATTRIBUTES**

* High attention to accuracy; cost-conscious
* Enthusiastic commitment to the renewable energy industry
* Proactive problem solver
* Self-motivated and adaptable