



Curriculum Vitae

Hannes de Winnaar

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PERSONAL INFORMATION

I.D. Number: 780803 5036 085
Date of Birth: 03/08/1978
Languages: Afrikaans, English
Country of Birth: South Africa

PERSONAL STATEMENT

I'm an adaptable, self-motivated and innovative Mechanical Engineer employed currently as a Design Office Manager looking to develop my expertise in new concept development, simulation and validation within a forward thinking company. I am also a Certified Autodesk Inventor2012 Associate.

I completed my National Diploma in Mechanical Engineering and I am enrolled for Baccalaureus Technologiae in Mechanical Engineering. Long term vision includes qualification as a Civil Engineer after my Mechanical Baccalaureus Technologiae.

I have two Olifantsfontein trades, as a Tool and Jigmaker with Distinction and a Fitter and Turner.

Resulting from 17 years working experience in the mechanical and structural fields combined with validation and parametric constrains skills it is possible to develop cost effective product development and solutions together with rendered visualizations.

KEY SKILLS SUMMARY

Technical Skills

- Autodesk Inventor Simulation (I am a Autodesk Certified Inventor Associate)
- AutoCAD (2d and 3d)
- 3DS Max Design
- Revit
- NavisWorks
- Prokon
- EdgeCAM
- Photoshop
- MS Office
- Specialized CNC and conventional machining on various machines

Courses (last 5 years)

- Prokon Analysis Level 1
- Prokon Analysis Level 2
- Autodesk Inventor Advanced
- Autodesk Inventor FEA Analysis
- Revit Structural
- 3ds Max Fundamentals
- 3ds Max Advanced Lightning
- EdgeCAM Basic Design and Milling
- ICDL Start (Syllabus 4)

Trades

- *Tool and Jigmaker with Distinction* (Trade No.: 12/28/5648)
- *Fitter and Turner* (Trade No.: 12/28/13980)

EDUCATION SUMMARY

- **High School Bekker**
Matric
- **Krugersdorp Technical College**
N2
- **Technisa**
N4
- **University of South Africa**
National Diploma Mechanical Engineering
Subjects Passed: MATHEMATICS I
MECHANICS I (THEORY)
MECHANICS I (PRACTICAL)
MECHANICAL ENGINEER PRACT I
MECHANICAL MANUFACT ENG I
COMMUNICATION SKILLS I
MECHANICAL ENGINEER DRAW I
COMPUTER AIDED DRAUGHTING I
COMPUTER SKILLS I (THEORY)
COMPUTER SKILLS I (PRACTICAL)
ELECTROTECHNOLOGY I (THEORY)
ELECTROTECHNOLOGY I (PRACTICAL)
MATHEMATICS II
MECHANICS OF MACHINES II
MECHANICS OF MACHINES II (PRACTICAL)
STRENGTH OF MATERIALS II
STRENGTH OF MATERIALS II (PRACTICAL)
FLUID MECHANICS II
FLUID MECHANICS II (PRACTICAL)
MACHINE DESIGN III
MECHANIC ENGINEER DESIGN II
MECHANICAL MANUFACT ENG II
MECH MANUF ENG II PRAC
THERMODYNAMICS II (THEORY)
THERMODYNAMICS II (PRACTICAL)
MECHANICAL MANUFACT ENG III
MECHANICS OF MACHINES III
MECHANICS OF MACHINES III (PRACTICAL)
STRENGTH OF MATERIALS III
STRENGTH OF MATERIALS III (PRACTICAL)
MECHAN ENGINEER DESIGN III
MAINTENANCE ENGINEERING I
APPLIED STRENGTH OF MATERIALS III
APPLIED STRENGTH OF MATERIALS III (PRACTICAL)
THEORY OF MACHINES III
THEORY OF MACHINES III (PRACTICAL)
MECHANICAL ENGINEER PRACT II

EMPLOYMENT

Preform (2006 - Current)

Pretoria

Workshop Manager (2006-2007) and promoted to Design Office Manager (2008-current)

<http://www.preform.co.za/>

Responsibilities

- *R&D and design of new products and systems.*
- *Problem solving and consulting services for customers.*
- *Improvement on existing systems.*
- *Approving, validating and simulating designs of other designers.*
- *Site inspections and on demand solutions at high risk temporary structure installations.*
- *Responsible for maintenance and automation of factory.*
- *Visualization of products and designs for clients.*
- *Responsible for internal IT queries.*

Weldrite Engineering and Metalpressing (1999-2005)

Randfontein

Tool and Jig Maker, Designer and Maintenance Manager.

Responsibilities

- *Design and Manufacturing of Press Tooling and custom production machines.*
- *General and preventative maintenance of various machines.*

Burgfeldt Engineering (1997-1999)

Krugersdorp

Apprentice

Responsibilities

- *Apprentice Tool and Jigmaker.*
- *Apprentice Fitter and Turner.*

PERSONAL INTERESTS

Reading

Graphics Design

Design and validation of challenging projects

REFERENCES

References are available on request.