

HENDRIK PIETER LE ROUX

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PERSONAL DETAILS

Nationality: South African

Date of Birth: 25-06-1999

Gender: Male

PROFILE

I am a diligent and hard-working postgraduate student at Stellenbosch University. I always strive to achieve the highest standard possible in anything I undertake. I am accustomed to working in a busy and high pressure environment while ensuring that I live a healthy and balanced lifestyle. I possess great leadership skills and the ability to work as an individual as well as in a team.

EDUCATION

Stellenbosch University Master of Engineering, Chemical	<i>2022 - Present</i> Current GPA: N/A
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University of Pretoria Bachelor of Engineering, Chemical	<i>2018 - 2021</i> Current GPA: 92.07
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Maritzburg College Matric Certificate	<i>2013 - 2017</i> Final Matric Average: 95.3
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TECHNICAL SKILLS

Modeling and Analysis	AutoCad
Software & Tools	MS Excel, MS Word, Latex, Python
Languages Spoken	Afrikaans, English
Practical Skills	Welding, Soldering, Circuit Wiring, Lathe Operation

WORK EXPERIENCE

Renen, Howick <i>Junior designer and technician</i>	8 December – 23 December 2020, 11 January – 3 February 2021
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- Water storage, heating and delivery system design. Solar PV and solar water heating systems installation and energy usage quantisation.

Manchem, Pietermaritzburg <i>Junior Researcher</i>	25 November – 13 December 2019, 06 January – 24 January 2020
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- On-site research into alternative waste water treatment possibilities. Learned and implemented various aspects regarding research protocol, waste water management, solar distillation and report writing.

ACADEMIC ACHIEVEMENTS

2017

Final Matric average of 95.3 (achieved 100% for physical sciences)

Received prizes for 1st in district of uMgungundlovu and 2nd in KZN for matric final results.

National Maths Olympiad- Distinction

National Science Olympiad- 22nd in South Africa

Mintek Science Quiz- Provincial Winner for KZN and member of National Winners (KZN Team)

Afrikaans Senior Olympiad- 1st in KZN, 18th in South Africa

Received Vice Chancellor's Discretionary Merit award from the University of Pretoria

2018

Dean's list

2nd in Chemical Engineering first year

2019

Dean's list

1st in Chemical Engineering second year

JCP (community service module) group prize for best construction project

TuksVillage academic awards - 1st overall

TuksRes academic awards - 3rd overall

2020

Dean's list

1st in Chemical Engineering third year

2021

Dean's list

1st in Chemical Engineering fourth year

TuksVillage academic awards - 1st overall

ViceChancellor and Principals medal for highest GPA throughout undergrad studies for EBIT (Engineering, Built Environment and Information Technology) faculty

EXTRA-CURRICULAR ACTIVITIES AND INTERESTS

High school

Part of the Representative Council of Learners from Grade 8 till Grade 12

Writer and Director of school play, Prefect, Captain of Afrikaans Society, Vice-Captain of Fuller House (Sporting House) in Grade 12

ATKV Tienertoneel Competition- received bronze certificate in Grade 12

Received Lood Muller Trophy for Contribution to the Afrikaans Society in Grade 12

Hockey- KZN colours

University

Inter-res hockey and rugby

REFEREES

Mary-Ann Rembold

Physical Sciences Teacher Grade 10-12

remboldm@mcollege.co.za

Prof Phillip de Vaal

Final year research supervisor at University of Pretoria

philip.devaal@up.ac.za

Prof Johann Grgens

Master's project supervisor at Stellenbosch University

jgorgens@sun.ac.za