



# JEAN-PIERRE VAN ZYL

JEANPIERREVANZYL@PROTONMAIL.COM

## COVER LETTER

To whom it may concern

This curriculum vitae is for Jean-Pierre van Zyl.

I believe I am a viable candidate as I have managed to use my opportunities in high school and university to excel in these given situations and to grow as a person as well. I am hope to further my experience in industry before starting my Master's and hope to contribute to the group I find myself in by applying myself to the best of my ability.

During high school I took extra subjects in order to have as broad of a base to work with when entering tertiary education; throughout this time, I displayed dedication and hard work in order to cope with the increased workload while still maintaining high academic standards. I also actively participated in sport and cultural activities to maintain a balanced lifestyle and to be involved in my high school.

I have continued this trend with my involvement at university: I live in a men's residence where I have pushed myself out of my comfort zone as I feel this is the best way to develop as a person. I strive to live a balanced lifestyle as far as possible and have used the opportunities provided to me at university to achieve this.

I have been very involved in student leadership, serving on the "House Committee" in 2019 and serving as Primarius (Chairperson of the House Committee) in 2020. These positions have afforded me the opportunity me to work with a diverse group of people, taught me how to lead individuals, how manage projects and to be the driving force in a group.

I have also been involved in the university's community service program, "MAD2" which has given me a new appreciation and understanding for the situations in which people are and their backgrounds.

I have developed a passion for Information Technology and problem solving during my studies; this passion means that I will ensure I am always focused on my work, will be willing to adapt to any situation in which I am needed, and to continue to have a high work ethic. It was during my Honours year that I found my passion for research and the fields of Artificial and Computational Intelligence.

I would like to thank you for your consideration and time. I look forward to receiving your future correspondence.

Jean-Pierre van Zyl



# JEAN-PIERRE VAN ZYL

MSC STUDENT

## PROFILE

I am a driven and hard-working student, currently studying in the field of Computational Intelligence under the supervision of Professor A.P. Engelbrecht. My interest in this field stems from my desire to understand and to gain knowledge, and from the great potential it has to positively impact our society in the information age. With my own life grounded in respect and integrity, I hope to make an impact in whichever environment I find myself.

## CONTACT

Cell: 0000000000  
Email: [jeanpierrevanzyl@protonmail.com](mailto:jeanpierrevanzyl@protonmail.com)  
Webpage: [jeanpierrevanzyl.github.io](https://jeanpierrevanzyl.github.io)  
LinkedIn | Github: [@jeanpierrevanzyl](https://www.linkedin.com/in/jeanpierrevanzyl)

## EXPERIENCE

### Student leadership

Served on university residence House Committee, as Primarius and Vice-Primarius

### Research Experience

Research Experience implementing Particle Swarm Optimization, Genetic Algorithms, Genetic Programs, Model Trees.

## CHARACTER REFERENCES

### Prof Engelbrecht

[engel@sun.ac.za](mailto:engel@sun.ac.za)

### Thomas Schlebusch

[tom@nmrql.com](mailto:tom@nmrql.com)

### Richard Barry

[richard@polymorph.co.za](mailto:richard@polymorph.co.za)

### Prof Kraak

[kjw@sun.ac.za](mailto:kjw@sun.ac.za)

## CAREER SUMMARY

### Internship

Polymorph Systems | Jan 2021 - Feb 2021

- Worked as a part of the in-house R&D team
- R&D was focused on expanding the company's existing IoT solution package to include Computer Vision at the edge.

### Internship

NMRQL Research | Nov 2020 - Dec 2020

- Assisted in expanding the capabilities of the trading system used by NMRQL

## EDUCATIONAL SUMMARY

### Stellenbosch University

Master of Science in Computer Science

- Currently studying under Prof A.P. Engelbrecht
- Area of research is Computational Intelligence

### Stellenbosch University

Bachelor of Science (Honours) in Computer Science

- 2020-2020
- Obtained Cum Laude

### Stellenbosch University

Bachelor of Science in Mathematical Sciences

- 2017-2019
- Completed a BSc from the Mathematical Sciences department with a main stream in Computer Science

### Fairmont High School

National Senior Certificate

- 2012-2016
- Obtained with an average of 86.4% over 8 subjects