

# Elan van Biljon

Imagine others complexly

## Philosophy

"We got here the only way people get anywhere good: together."

## About

### Born:

15 September 1995  
Pretoria, South Africa

### Currently:

Cape Town, South Africa

## Contact

LinkedIn  
Online CV  
Google Scholar  
elanvanbiljon@gmail.com

## Skills

Writing  
Teaching  
Reviewing  
Mathematics  
Programming  
Communication  
Machine Learning

## Interests

Hiking  
Puzzles  
Board Games  
Rock Climbing

## Community Service

Tutoring  
Animal Welfare  
Volunteer Reviewing  
Community Development

## Languages

English  
Afrikaans

## Notable Publications

E. van Biljon, 'Initialisation of noise-regularised neural networks', Computer Science Division Stellenbosch University, 2021.

Pretorius, A., E. van Biljon, S. Kroon and H. Kamper 2018, 'Critical initialisation for deep signal propagation in noisy rectifier neural networks', in Neural Information Processing Systems (NeurIPS).

Orife, I. et al. 2020 'Masakhane—Machine Translation For Africa', Preprint at <https://arxiv.org/abs/1810.08810>.

## Experience

2022	<b>Science Communicator / Writer</b>	ScienceLink
	Summarising research papers for general public.	
2019 - 2020	<b>Reviewer - ranked in top 5%</b>	NeurIPS2019, ICML2019, ICML2020
	Reviewing paper submissions to journals.	
2020	<b>Research Engineer</b>	InstaDeep
	Novel research and publication in reinforcement learning.	
2018 - 2019	<b>Teaching</b>	Deep Learning Indaba, Stellenbosch University
	Foundations of machine learning.	

## Education

2018 - 2021	<b>MSc. Cum Laude</b> in Computer Science	Stellenbosch University
	<i>Initialisation of noise-regularised neural networks</i>	
2014 - 2017	<b>BEng. Cum Laude</b>	Stellenbosch University
	Major in Informatics	

## Awards / Achievements

2019 - 2020	<b>Reviewer Awards - top 5%</b>	NeurIPS2019, ICML2019, ICML2020
2018 - 2019	<b>Research Poster Awards</b>	Deep Learning Indaba

## References

Prof. Steve Kroon	kroon@sun.ac.za	+27 21 808 4232
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Prof. Johan du Preez	dupreez@sun.ac.za	+27 21 808 4342