

# 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

2019 - 2020	<b>Reviewer - ranked in top 5%</b> Reviewing paper submissions to journals.	NeurIPS2019, ICML2019, ICML2020
2020	<b>Research Engineer</b> Novel research and publication in reinforcement learning.	InstaDeep
2018 - 2019	<b>Teaching</b> Foundations of machine learning.	Deep Learning Indaba, Stellenbosch University
2018 - 2019	<b>Conference Volunteer</b> Teaching attendees and facilitating daily operations.	Deep Learning Indaba

## Education

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

## 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