

Elan van Biljon

Deep Learning Graduate Student

about

Born:

15 September 1995
Pretoria, South Africa

Currently:

Stellenbosch, South Africa

Contact

GitHub
LinkedIn
Online CV
elanvanbiljon@gmail.com

programming

TensorFlow, Keras,
Numpy, Git, PHP,
Python, Octave,
Java, C, C++,
CoffeeScript,
JavaScript

skills

Calculus
Linear Algebra
Multivariate Statistics
Algorithms & Data Structures
Object Oriented Programming

interests

Hiking
Puzzles
Slacklining
Board Games

community service

Tutoring
Animal Welfare
Community development

languages

English
Afrikaans

publications

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).

experience

- 06-09 2019 **NeurIPS Reviewer - ranked in top 400** Neural Information Processing Systems
Reviewing paper submissions to the conference
- 01-03 2019 **ICML Reviewer - ranked in top 5%** International Conference on Machine Learning
Reviewing paper submissions to the conference
- 08 2019 **Head Optimisation of Deep Learning Tutor** Deep Learning Indaba
Teaching the current common techniques, such as Adam
- 2018 - 2019 **Deep Learning Tutor** Deep Learning Indaba
Teaching foundations, Vision-, NLP- and RL techniques
- 02-04 2018 **Organizers Team Member** Deep Learning IndabaX Western Cape

education

- since 2017 **MSc.** in Computer Science Stellenbosch University
Initialisation of noise-regularised neural networks
- 2014-2017 **BEng. Cum Laude** Stellenbosch University
Major in Informatics
Thesis: *Creating intelligent agents with reinforcement learning* [link]
- focus on deep Q-learning

Awards / Achievements

- 2018 - 2019 **Poster Awards** Deep Learning Indaba 2018 and Deep Learning IndabaX SA 2019
- 2017 **Top engineering student in student cluster** Stellenbosch University
- 2015 - 2017 **Dean's Merit** Stellenbosch University

references

Dr. Steve Kroon	kroon@sun.ac.za	+27 21 808 4232
Dr. Herman Kamper	kamperh@sun.ac.za	+27 21 808 4457
Prof. Johan du Preez	dupreez@sun.ac.za	+27 21 808 4342
Ms. Susan Sestak	susan@moz.com	+1 206 707 9935