

# 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 (NIPS) [accepted].

## education

since 2017	<b>MSc.</b> in Computer Science <i>Quantifying deviations from mean field theory applied to neural networks</i>	Stellenbosch University
2014-2017	<b>BEng. Cum Laude</b> Major in Informatics Thesis: <i>Creating intelligent agents with reinforcement learning</i> [link] - focus on deep Q-learning	Stellenbosch University

## experience

09 2018	<b>Deep Learning Tutor</b> Teaching foundations, Vision-, NLP- and RL techniques	Deep Learning Indaba
02-06 2018	<b>Foundations of Machine Learning Tutor</b> Teaching foundations of shallow models (logistic regression, etc)	Stellenbosch University
06-08 2016	<b>Software Engineering Intern</b> Focus on front-end web development	Moz, Seattle
09 2018	<b>Organizers Team Member</b>	Deep Learning IndabaX Western Cape
09 2018	<b>Operations Team Member</b>	Deep Learning Indaba

## Awards / Achievements

2018	<b>Poster Award</b>	Deep Learning Indaba
2017	<b>Top engineering student in student cluster</b>	Stellenbosch University
since 2015	<b>Dean's Merit</b>	Stellenbosch University

## references

Dr. 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
Ms. Susan Sestak	susan@moz.com	+1 206 707 9935