

# TAMLIN LOVE

(+27)79 226 3814 ♦ tamlinlollislove@gmail.com

## EDUCATION

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<b>University of the Witwatersrand, Johannesburg, South Africa</b> Currently studying for Honours in Computer Science School of Computer Science and Applied Mathematics	<i>Present</i>
<b>University of the Witwatersrand, Johannesburg, South Africa</b> Bachelor of Science in Computer Science and Applied Mathematics School of Computer Science and Applied Mathematics	<i>2016 - 2018</i>
<b>St John's College, Johannesburg, South Africa</b> Matric Qualification	<i>2011 - 2015</i>

## PROJECTS

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### **Building Bayesian Influence Ontologies**

This project, which is currently in progress under supervision by Dr. Ritesh Ajoodha, aims to develop a method by which the influence between interacting models can be modeled as a Bayesian network and learned from data using score-based structure learning techniques. Example applications include plagiarism detection and detecting influence between musical pieces.

## TECHNICAL SKILLS

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**Programming** - Python, C, C++, Java, Matlab, Javascript

**Computer Science** - Machine Learning (specialising in probabilistic graphical models), Image Processing, High Performance Computing, Software Design

## WORK EXPERIENCE

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<b>University of the Witwatersrand</b> <i>Tutor</i>	2018-2019
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- Tutoring 3rd year machine learning, 3rd year computer graphics, and 1st and 2nd year computational and applied mathematics

<b>University of the Witwatersrand</b> <i>Assistant</i>	January 2018
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- Restructuring of data management systems for assets of the School of Physics

## ACADEMIC ACHIEVEMENTS

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### **University of the Witwatersrand**

2018 - Recipient of the Liberty Life Gold Medal for outstanding performance in Computer Science III

2018 - Awarded the prize for top student in Computational and Applied Mathematics III

2018 - Recipient of the Herbert Le May Prize for the best third year science student majoring in Applied Mathematics

2016-2018 - Achieved a spot on the Dean's List in the 1st, 2nd and 3rd years of study

### **St John's College**

2015 - Received 8 distinctions in the 2015 NSC IEB Matric Examinations with an aggregate of 90%

- Mathematics - 92%
- Physical Science - 83%
- English - 89%
- Latin - 89%
- Italian - 92%
- Music - 87%
- Drama - 97% (top 1% of IEB candidates)
- Life Orientation - 90%
- Afrikaans - 79%
- Advanced Program Mathematics - 76%

2015 - Awarded 5 colours: Music, Academic, Drama, Public Speaking and Cultural

2015 - Awarded 2 honours: Academic, Music

2015 - Was made a house prefect

2015 - Won the Matric Latin Subject Prize

2015 - Won the Matric English Subject Prize

2015 - Was ranked in the top 100 students in Gauteng in the Maths Olympiad

2014 - Was part of a team which ranked in the top 16 international projects in the CERN Beamline challenge

2014 - Was awarded Gold in the 2014 De Beers English Olympiad

2014 - Was the Recipient of the Walter Webber Essay Prize

2014 - Was awarded a Gold Medal as the best English candidate for the University of New South Wales International 2014 benchmark test in Southern Africa

2013 - Was published in the English Alive Anthology

## **EXTRA-CIRRICULAR**

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### **Applied Mathematics**

2018 - Placed 2nd in the SAMMC competition for mathematical modelling

### **Computer Science**

2019 - Participated in the Google Hashcode competition

2018 - Participated in the Deloitte Hackathon

### **Music**

2019 - Currently plays 1st Trombone in the Johannesburg Symphony Orchestra and 2nd Trombone in the Phoenix Big Band

2015 - Passed ABRSM Grade 8 Trombone with Distinction

2015 - Passed ABRSM Grade 6 Theory with Merit

2015 - Played 1st trombone for the St Johns Orchestra, Big Band, Brass Band, Wind Band and Octet

2015 - Was elected Head of Brass Band

2015 - Won 1st prize in the brass category in the Roedean Lovemore-Yamaha Music Competition

2015 - Was selected as first trombone for the National B Band at the Grahamstown Jazz Festival

**Creative Writing and Public Speaking**

2015 - Won the Muhammed-Ismail Bulbulia Prize for Excellence in Creative Writing

2015 - Won the ODowd Public Speaking competition

2015 - Was part of a team of three which won the 2015 Inter School POP Poetry Competition