

# Kieren Davies

## Curriculum Vitæ

12 Kronenzicht Villas, Brunia Way, Hout Bay  
+27 78 988 4864  
kieren@kierendavies.co.za  
<http://kierendavies.co.za/>

### EDUCATION

2011 – PRESENT **Bachelor of Science**  
MATHEMATICS & COMPUTER SCIENCE  
*University of Cape Town*

2009 – 2010 **International Baccalaureate**  
*International School of Hout Bay*

### SKILLS

Extensive Knowledge Python, Java

Moderate Knowledge C++, C#, Ruby, SQL  
L<sup>A</sup>T<sub>E</sub>X, Git, Mercurial

Basic Knowledge Bash, Octave

### AWARDS

2010 **Faculty of Science Masters Scholarship**  
*The University of California*

2008 **Top Achiever Award – Commerce**  
*Business Association of California*

### WORK EXPERIENCE

DECEMBER 2010 – FEBRUARY 2011

Intern at SKA AFRICA

*Scientific data processing*

Examined data from the KAT7 radio telescope with SciPy and Matplotlib to search for unusual phenomena.

JULY 2011

Intern at PRAEKELT FOUNDATION

*Machine learning*

Developed a Bayesian user content filter for use with a Django web portal, *Young Africa Live*.

SEPTEMBER 2011

Intern at RIGHTSHIFT

*Algorithmic analysis*

Statistically optimised the behaviour of an online slot machine.

DECEMBER 2011 – FEBRUARY 2012

Intern at TEACH ME 2

*Web application development*

Developed a standalone Ruby on Rails web application for automated templating and PDF generation.

JUNE 2012 – JULY 2012

Intern at KRIT

*Web application development*

Developed utilities for keyword extraction from user reviews, and maintained a .NET MVC application.