

# Kieren Davies | Curriculum Vitæ

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Available online at <https://github.com/kierendavies/cv>

## Education

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### International School of Hout Bay

*IGCSE, International Certificate of Education with Distinction* 2007–2008

*International Baccalaureate, 35 points* 2009–2010

### University of Cape Town

*B.Sc. Mathematics and Computer Science* 2011–2014

Dean's merit list

*B.Sc. (Hons.) Mathematics of Computer Science* 2016 (expected)

## Work Experience

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### SKA Africa

*Science processing intern*

Analysed data from the KAT7 radio telescope to search for unusual phenomena.

**Cape Town**

*Dec 2010–Feb 2011*

### Praekelt Foundation

*Software developer intern*

Implemented a Bayesian filter for user content, to be integrated with mobile web portal *Young Africa Live*.

**Cape Town**

*Jul 2011*

### RightShift

*Software developer intern*

Optimised the stochastic behaviour of online casino games.

**Cape Town**

*Sep 2011*

### Teach Me 2

*Software developer intern*

Developed a stand-alone web application offering templated PDF generation.

**Cape Town**

*Dec 2011–Feb 2012*

### Krit

*Software developer intern*

Developed utilities for keyword extraction from user-written reviews.

**Cape Town**

*Jun 2012–Jul 2012*

### Facebook

*Software engineer intern*

Developed internal tools for Hadoop Distributed File System.

**Menlo Park, California**

*Dec 2012–Feb 2013*

### Oracle

*Software developer intern*

Developed a Vagrant plugin to use Oracle Cloud as a virtualization provider.

**Cape Town**

*Jun 2014–Jul 2014*

### Amazon

*Software development engineer intern*

Integrated internal tools into a web frontend.

**Cape Town**

*Jun 2013–Jul 2013*

*Software development engineer intern*

Developed a framework and automated service for metric aggregation and reporting.

*Nov 2013–Feb 2014*

*Software development engineer intern*

Developed and maintained numerous internal operational tools.

*Nov 2014–Aug 2015*

### Jumo

*Data science intern*

Assisted with infrastructure and data storage. Designed and developed internal microservices and APIs.

*Oct 2015–Jan 2016*

## Achievements

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<b>Primary Mathematics World Contest</b> <i>South African team</i>	<b>Hong Kong</b> 2005
<b>UCT Mathematics Olympiad</b> <i>Gold award</i>	2006–2010
<b>Interprovincial Mathematics Olympiad</b> <i>Western Cape team</i>	2006–2009
<b>South African Mathematics Olympiad</b> <i>Finalist</i>	2007–2010
<b>Eskom Science Expo</b> <i>Silver medal</i>	2006
<i>Gold medal</i>	2008
<b>South African Computer Olympiad</b> <i>Finalist</i>	2009
<i>Silver medal</i>	2010
<b>International Olympiad in Informatics</b> <i>South African team</i>	<b>Pattaya, Thailand</b> 2011
<b>ACM International Collegiate Programming Contest</b> <i>World finalist</i>	<b>Yekaterinburg, Russia</b> 2014

## Community Involvement

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<b>UCT Algorithm Circle</b> <i>Deputy chair, volunteer lecturer</i>	2009–2013
Student society aimed at spreading interest and knowledge of advanced computer science, with weekly classes on various topics.	
<b>The Shuttleworth Lab</b> <i>Committee member, administrator</i>	2012
<b>Umonya</b> <i>Volunteer</i>	2011–2013
Non-profit organisation which hosts free courses on Python programming for high school students.	
<b>South African Computer Olympiad</b> <i>Scientific committee</i>	2011–2012
Setting problems and managing all technical aspects of the contest.	
<b>International Olympiad in Informatics</b> <i>Deputy team leader</i>	<b>Montichiari, Italy</b> 2012