

# Kieren Davies | Curriculum Vitæ

☎ 078 988 4864 • ✉ kieren@kdavi.es • 🌐 <http://kierendavies.co.za/>  
Available online at <https://github.com/kierendavies/cv>

## Education

---

### 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.) Computer Science 2016 (expected)

Thesis topic: test-driven development for ontology engineering

## Work Experience

---

### SKA Africa

Science processing intern

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

**Cape Town**  
Dec 2010–Feb 2011

### Prækelt 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

---

<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

---

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