

Kieren Davies | Curriculum Vitæ

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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

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

Community Involvement

UCT Algorithm Circle <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.	
The Shuttleworth Lab <i>Committee member, administrator</i>	2012
Umonya <i>Volunteer</i>	2011–2013
Non-profit organisation which hosts free courses on Python programming for high school students.	
South African Computer Olympiad <i>Scientific committee</i>	2011–2012
Setting problems and managing all technical aspects of the contest.	
International Olympiad in Informatics <i>Deputy team leader</i>	Montichiari, Italy 2012