

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

Cape Town

Science processing intern

Dec 2010–Feb 2011

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

Praekelt Foundation

Cape Town

Software developer intern

Jul 2011

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

RightShift

Cape Town

Software developer intern

Sep 2011

Optimised the stochastic behaviour of online casino games.

Teach Me 2

Cape Town

Software developer intern

Dec 2011–Feb 2012

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

Krit

Cape Town

Software developer intern

Jun 2012–Jul 2012

Developed utilities for keyword extraction from user-written reviews.

Facebook

Menlo Park, California

Software engineer intern

Dec 2012–Feb 2013

Developed internal tools for Hadoop Distributed File System.

Oracle

Cape Town

Software developer intern

Jun 2014–Jul 2014

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

Amazon

Cape Town

Software development engineer intern

Jun 2013–Jul 2013

Integrated internal tools into a web frontend.

Software development engineer intern

Nov 2013–Feb 2014

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

Software development engineer intern

Nov 2014–Aug 2015

Developed and maintained numerous internal operational tools.

Jumo

Data science intern

Oct 2015–Jan 2016

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

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