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)*

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 Distibuted 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   **Hong Kong**
South African team   *2005*

UCT Mathematics Olympiad
Gold award   *2006–2010*

Interprovincial Mathematics Olympiad
Western Cape team   *2006–2009*

South African Mathematics Olympiad
Finalist   *2007–2010*

Eskom Science Expo
Silver medal   *2006*

Gold medal   *2008*

South African Computer Olympiad
Finalist   *2009*

Silver medal   *2010*

International Olympiad in Informatics   **Pattaya, Thailand**
South African team   *2011*

ACM International Collegiate Programming Contest   **Yekaterinburg, Russia**
World finalist   *2014*

Community Involvement

UCT Algorithm Circle
Deputy chair, volunteer lecturer   *2009–2013*
Student society aimed at spreading interest and knowledge of advanced computer science, with weekly classes on various topics.

The Shuttleworth Lab
Committee member, administrator   *2012*

Umonya
Volunteer   *2011–2013*
Non-profit organisation which hosts free courses on Python programming for high school students.

South African Computer Olympiad
Scientific committee   *2011–2012*
Setting problems and managing all technical aspects of the contest.

International Olympiad in Informatics   **Montichiari, Italy**
Deputy team leader   *2012*