

# Kieren Davies | Curriculum Vitæ

Amsterdam – Netherlands

☎ +31 62 980 5112 • ✉ kieren@kdavi.es

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

## Education

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### University of Cape Town

South Africa

*B.Sc. Mathematics and Computer Science*

2011–2014

Including courses in applied mathematics, statistics, and physics. Dean's merit list.

*B.Sc. (Hons.) Computer Science*

2016

Thesis: *Towards Test-Driven Development of Ontologies: An Analysis of Testing Algorithms.*

## Work Experience

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### Facebook

California, US

*Software engineer intern*

Dec 2012–Feb 2013

Developed internal tools for Hadoop Distributed File System.

### Oracle

South Africa

*Software developer intern*

Jun 2014–Jul 2014

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

### Amazon

South Africa

*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

South Africa

*Data science intern*

Oct 2015–Jan 2016

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

### Booking.com

Netherlands

*Software developer*

Jan 2017–present

Currently on SEO Infra team, working on tooling, big data processing, and statistical analysis to enable product experimentation on search engine traffic and conversion. Previously worked on test automation and product localisation.

## Publications

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K. Davies, "Towards test-driven development of ontologies: An analysis of testing algorithms," tech. rep., University of Cape Town, 2016.

K. Davies, C. M. Keet, and A. Ławrynowicz, "TDDonto2: A test-driven development plugin for arbitrary TBox and ABox axioms," in *The Semantic Web: ESWC 2017 Satellite Events*, vol. 10577 of *Lecture Notes in Computer Science*, pp. 120–125, Springer, 2017.

K. Davies, C. M. Keet, and A. Ławrynowicz, "More effective ontology authoring with test-driven development and the TDDonto2 tool," *International Journal on Artificial Intelligence Tools*, vol. 28, no. 07, p. 1950023, 2019.

## Achievements

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<b>South African Computer Olympiad</b> <i>Silver medal</i>	<b>South Africa</b> 2010
<b>International Olympiad in Informatics</b> <i>Contestant</i>	<b>Thailand</b> 2011
<b>ACM International Collegiate Programming Contest</b> <i>World finalist</i>	<b>Russia</b> 2014
<b>ACM International Collegiate Programming Contest</b> <i>World finalist</i>	<b>South Dakota, US</b> 2017