

Kieren Davies | Curriculum Vitæ

Amsterdam – Netherlands

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

Education

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

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

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