

Lesley Wevers

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Personal Details

Date of birth February 26, 1987
Place of birth Enschede, Netherlands
Gender Male

Education

- sep '12 – now **PhD, Computer Science**, *University of Twente*, Enschede, Netherlands.
I am developing methods to perform database schema changes without down-time under supervision of Marieke Huisman from the Formal Methods and Tools group and Maurice van Keulen from the Databases group.
- feb '10 – sep '12 **MSc, Computer Science (Cum Laude)**, *University of Twente*, Enschede.
Program: Twente Graduate School, Dependable and Secure Computing, Dependable Software Synthesis Track. Thesis: A Persistent Functional Language for Concurrent Transaction Processing. Supervised by Jaco van de Pol, Marieke Huisman and Ander de Keijzer.
- sep '09 – feb '10 **BSc, Mathematics (No Diploma)**, *University of Twente*, Enschede.
Completed courses on calculus, discrete mathematics and linear algebra.
- sep '05 – jul '09 **B-ICT, Computer Science**, *Saxion University of Applied Sciences*, Enschede.
Specialization: gaming & virtual reality. Minor: advanced algorithms. Bachelor thesis: Dynamic Reconfiguration using Service Oriented Architecture.

Experience

- sep '12 – sep '15 **Teaching Assistant**, *University of Twente*, Enschede, Netherlands.
I have assisted with teaching activities in various bachelor and master courses.
- may – jul '11 **Research Internship**, *University of York*, York, UK.
Developed theory to define the runtime complexity of graph rewrite systems, and in particular for programs in the graph programming language GP.
- mar – may '11 **Student Assistant**, *University of Twente*, Enschede, Netherlands.
I have extended the graph transformation tool GROOVE with a Prolog interpreter to query state spaces.
- feb – jun '09 **Research Internship**, *Thales / Luminis*, Hengelo, Netherlands.
We investigated how service oriented architectures can be used for dynamic reconfiguration of mission critical radar systems.
- jun '07 – dec '08 **Programmer**, *Xentaur / Itexion / TSI-Solutions*, Enschede, Netherlands.
Website framework development in PHP for travel organisation websites.
- aug '07 – feb '08 **Internship**, *Xentaur*, Enschede, Netherlands.
Research on automatic profile generation of customers on e-commerce websites to provide personalised product recommendations.

Programming Skills

Proficient in Java, Scala
Familiar with C/C++, Python, PHP, Haskell, Prolog, SQL, Web Development

Publications

- 2016 Lesley Wevers, Marieke Huisman and Maurice van Keulen. **Lazy Evaluation for Concurrent OLTP and Bulk Transactions**. IDEAS'16. Montreal, Canada.
- 2015 Lesley Wevers, Matthijs Hofstra, Menno Tammens, Marieke Huisman, Maurice van Keulen. **Analysis of the Blocking Behaviour of Schema Transformations in Relational Database Systems**. ADBIS 2015. Poitiers, France.
- Lesley Wevers, Matthijs Hofstra, Menno Tammens, Marieke Huisman, Maurice van Keulen. **A Benchmark for Online Non-Blocking Schema Transformations**. DATA 2015. Colmar, France.
- 2014 Lesley Wevers and Steven te Brinke. **Monte-Carlo Tree Search for Poly-Y**. BNAIC 2014. Nijmegen, the Netherlands.
- Lesley Wevers. **Persistent Functional Languages: Toward Functional Relational Databases**. SIGMOD'14 PhD Symposium, Snowbird, Utah, USA.
- 2013 Wanno Drijfhout, Oliver Jundt, Lesley Wevers and Djoerd Hiemstra. **Traitor: Associating Concepts using the World Wide Web. Demonstrator Paper**. Dutch-Belgian Information Retrieval Workshop, Delft, the Netherlands.
- 2011 Ismênia Galvão, Eduardo Zambon, Arend Rensink, Lesley Wevers and Mehmet Aksit. **Knowledge-based Graph Exploration Analysis**. AGTIVE 2011, Budapest, Hungary.

Awards

- 2014 **Codecup 2014, First Place**.
A board game AI programming competition.
- Rigorous Examination of Reactive Systems Challenge 2014, Third Place**.
I participated in a team from the Formal Methods and Tools group.
- 2013 **Norvig Web Data Science Award, First Place**.
We won with the entry "Traitor - associating Concepts using the World Wide Web".

Talks Given

- 2014 **Dutch-Belgian Database Day, Antwerp, Belgium**.
Towards Online Relational Schema Transformations.
- IPA Spring Days 2014, Putten, Netherlands**.
Persistent Functional Languages: Toward Relational Functional Databases
- Functional Programming Day, University of Amsterdam, Netherlands**.
Optimizing Transaction Execution in a Purely Functional Database
- 2013 **Hadoop Summit, Amsterdam, Netherlands**.
Lightning Talk: Traitor - associating Concepts using the World Wide Web
- 2012 **IFL Symposium, University of Oxford**.
A Concurrent Persistent Functional Language

Research Schools Attended

- 2015 **Summer School on Generic and Effectful Programming, Oxford, UK**.
IPA Course on Software Engineering, Eindhoven, Netherlands.
- 2014 **IPA Spring Days on Cyber Security, Putten, Netherlands**.
- 2013 **IPA Course on Formal Methods, Eindhoven, Netherlands**.
LASER Summer School on Cloud Computing and Big Data, Elba, Italy.