

Sander Jurgens

CURRICULUM VITAE

Personal details

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Nationality	Dutch		
Date of birth	August 5 th 1991		

Education

MSc. Computer Science and Engineering 2012 - 2014

EINDHOVEN UNIVERSITY OF TECHNOLOGY - EINDHOVEN, THE NETHERLANDS

Specialization • Complex Algorithms, Computer Graphics and Formal Methods

Achievements • Completed the Honors program
• Average of 8.9 out of 10.0

BSc. Computer Science and Engineering 2009 - 2012

EINDHOVEN UNIVERSITY OF TECHNOLOGY - EINDHOVEN, THE NETHERLANDS

Specialization • Minor: Connecting Intelligence (Faculty of Electronic Systems)

Achievements • Propaedeutics degree Cum Laude, average of 8.0 out of 10.0
• Overall average of 7.9 out of 10.0

Pre-university education: VWO 2003 - 2009

O.R.S. LEK EN LINGE - CULEMBORG, THE NETHERLANDS

Achievements • Double major: Nature and Technology, Nature and Health
• Computer Science as an additional course
• Average of 7.7 out of 10.0

Professional experience

Research Intern Feb. 2014 - Nov. 2014

TNO - DELFT, THE NETHERLANDS

Relevance • Graduation internship for my MSc degree at the Eindhoven University of Technology.

Responsibilities • Investigating a large number of topological and flow-based metrics used in analyzing the robustness of both individual and interdependent networks.
• Developing various techniques to efficiently improve the robustness of given (interdependent) networks, and deal with failing nodes.

Achievements • Performed research in collaboration with the Delft University of Technology as part of TNO project SIIN (Societal Impact of Interdependent Networks).

System Analyst

Nov. 2013 - Feb. 2014

LAQUISO - EINDHOVEN, THE NETHERLANDS

- Responsibilities*
- In charge of defining standardized software systems and formulating all requirements, both in natural and formal language.
 - Involved in testing the conformance of requirements, using the mCRL2 toolset.
- Achievements*
- Proved the correctness of the software system behind all Dutch drawbridges owned by the Ministry of Infrastructure and Environment (Rijkswaterstaat).

Software Engineer

Apr. 2012 - Sep. 2012

U-APPROACH - EINDHOVEN, THE NETHERLANDS

- Relevance*
- Graduation project for my BSc degree at the Eindhoven University of Technology.
- Responsibilities*
- Developing a distributed ontology and querying interface, based on RDF-triples and the SPARQL query language.
 - Participation in entire development cycle, from requirements engineering to delivery.
- Achievements*
- Software is now being used for large-scale events, for example the STRP festival of art and technology with 30.000 visitors annually, such that participants are in control of their own data.

Skills and competencies

LANGUAGES	Capable of communicating in multiple languages: <ul style="list-style-type: none">• Dutch: native language• English: fluent (oral, written)
SOCIAL	Good communication skills, open minded, positive attitude
PROJECT MANAGEMENT	Experienced in leading teams, using different software development frameworks: <ul style="list-style-type: none">• Waterfall model• Agile methodologies
SOFTWARE	Accustomed to many different software packages, among which: Windows, Linux, SVN, HG, Git, NetBeans, Eclipse, Visual Studio, L ^A T _E X
PROGRAMMING	Proficient in the following programming languages: <ul style="list-style-type: none">• C/C++• Python• C#• PHP• Java• JavaScript