Curriculum Vitae

Timo Homburg

Computer Scientist into Computational Linguistics,
Machine Learning, GIS and Semantic Web Applications.

Education

Apr 2015 - Jul 2019	PhD, Computer Science (expected); University Koblenz-Landau (Koblenz, Germany)
	Phd Thesis in Semantic Quality Assement and Quality Prediction of OpenStreetMap areas.
Jul 2013 - Aug 2013	Summer School: Doing Business in Africa; Polytechnic Of Namibia (Windhoek, Namibia) (Grade: B)
	Summer School in the Business Department of the Polytechnic of Namibia on South African history and economics.
Mar 2012 - Mar 2015	M.Sc., Computer Science; Goethe University (Frankfurt am Main, Germany) (Grade: 1,0 (A))
	Minor: Chinese Studies Thesis title: Verfahren zur Wortsegmentierung nichtalphabetischer Schriften
Jul 2010 - Aug 2010	Summer School: China Cultural Exchange; Shanghai International Studies University (Shanghai, China)
	Summer School in the language department for cultural exchange and language study.
Oct 2008 - Feb 2012	B.Sc., Computer Science; RheinMain University of Applied Sciences (Wiesbaden, Germany) (Grade: 1,4 (A))
	Thesis title: Entwicklung einer Androidanwendung zur Zustandsanzeige von Messstationen des Deutschen Wetterdienstes

Teaching Experience

Oct 2017 - Jul 2018	Lecturer RheinMain University of Applied Sciences, Wiesbaden/Germany Industry: Research
	Teaching experience as lecturer in the courses "Introduction to Computer Science", "Algorithms and Data Structures"

Working Experience

Oct 2017 - May 2019	Systemadministrator Mainz University Of Applied Sciences, Mainz/Germany Industry: Research
	System Administrator of the research group i3Mainz
Apr 2015 - May 2019	Researcher Mainz University Of Applied Sciences, Mainz/Germany Industry: Research Taking part in the SemGIS project

Researching in GIS data quality and the geospatial Semantic Web

May 2013 - Mar 2015	Assistant Scientist Research group Wirtschaftsinformatik/Goethe University,Frankfurt am Main/Germany Industry: Research Taking part in the EVER project Detailed achievements: * Implementing algorithms needed by the project * Getting more detailed practical knowledge of Information Retrieval methods
Nov 2011 - Feb 2012	Student Employee MeteoSolutions GmbH, Darmstadt, Germany Industry: Software Engineering
	Development of an Android application to display status data for measuring monitors for weather stations as a part of my Bachelor Thesis
Mar 2011 - Aug 2011	Trainee Sirona Dental Systems Foshan Co. Ltd., Foshan, China Industry: Medical Devices
	Research of a solution to connect a Syteline Version 8 ERP System to an Oracle Agile PLM System, Taking part in the development of a Parts Tracking Database for the Research and Development department
Feb 2011 - Feb 2011	Student employee RheinMain University Of Applied Sciences, Laboratory of Software Engineering, Wiesbaden/Germany
	Taking part in a feasibility study for the German weather forecast organisation (DWD)
Dec 2010 - Feb 2011	Student Employee DOPSY Laboratory for Distributed Systems, Wiesbaden, Germany Industry: Research
	Development of a content management system for the homepage of the laboratory
Oct 2010 - Dec 2010	Student work Alfred Wegener Institute, Wiesbaden, Helgoland/Germany
	Taking part in the development of a web application for fish noise categorisation in the context of my Database/Web Engineering specialisation
Jan 2010 - Aug 2010	Student Employee DOPSY Laboratory for Distributed Systems, Wiesbaden, Germany Industry: Research
	Development of a content management system for the homepage of the laboratory
Sep 2007 - May 2008	Alternative Service Main-Kinzig Hospital, Gelnhausen, Germany Industry: Management of Information Systems
	IT Support and Administration tasks in a hospital

Human Languages

German	C2, Native Speaker
English	C1, 13 years

Mandarin Chinese	B2 (HSK Level 4 Standard Chinese language proficiency Test (2013)), Score: 186/300
French	B1, 5 years
Japanese	A1, 0.5years

Technical Experience

Programming Languages

Proficient Knowledge:	Java
	Python
	JavaScript
	Ruby
	JSP/JSF
Intermediate Knowledge:	C
	C++
	C#
	Scala
	PHP
	Scalate
Basic Knowledge:	MIPS Assembly/X86 Assembly
	Haskell
	Matlab
Markup Languages	HTML5,GML,KML,XML
	Markdown
	LaTeX, XeTeX
Query Languages:	SQL (MySQL, PostgreSQL)
	SPARQL

Awards

Apr 2017	WebIST Best Student Paper Award
Jul 2016	Valedictorian Award (Jahrgangsbester) Computer Science Master Of Science
Mar 2015	DARIAH-DE Digital Humanities Award 2015
Apr 2013	Nomination to take part in the Summer University of Namibia 2013
Jun 2012	Valedictorian Award (Jahrgangsbester) Computer Science Bachelor Of Science

Jan 2011	PROMOS-Scholarship for studying abroad

Peer Reviewing for Conferences and Journals

Dec 2017	DH2018

Volunteer Work

Sep 2017	Election official at the Federal Election 2017 in Germany
Sep 2017	Science Market Mainz
Jun 2014	Night of Science Frankfurt

Soft Skills

Nov 2016	Public Speaking in Academics (Atlantic Language Dublin) Erasmus Plus Staff Training Mobility
Mar 2013	Innovationmanagement (Soft Skills Uni Frankfurt)
Feb 2013	Careermanagement and Selfcoaching (Soft Skills Uni Frankfurt)
Dez 2012	Analysing compliance strategies of companies (Soft Skills Uni Frankfurt)
Sep 2012	Learning Strategies (Soft Skills Uni Frankfurt)
Aug 2012	Intercultural Competence (Soft Skills Uni Frankfurt)
Aug 2012	Communication Skills (Soft Skills Uni Frankfurt)
Aug 2012	Selfpresentation (Soft Skills Uni Frankfurt)
May 2012	Time Management Skills (Soft Skills Uni Frankfurt)
Nov 2007	How to convince others (VHS Gelnhausen)
Oct 2007	Rhetorical Skills Basic Course (VHS Gelnhausen)

Side Projects

2017	AdventOfCode - Solutions to some of the Advent Of Code Challenges (Java)
2017	SemanticDictionary - Creation of a Semantic Dictionary for Ancient Languages (RDF)
2016	CuneiPainter - An app to paint cuneiform characters on your Android phone (Java)
2015 - 2018	tuxbot - Plugins for the Sopel chatbot (Python)
2014 - 2017	webime - Port of an input method engine in JavaScript to support Akkadian Cuneiform (JavaScript, HTML)

2013	Mafia Manager - An xml dataformat to formalize the creation of characters for the popular game Mafia (XML)

Student projects:

2014	POSTagger - POSTagger for Ancient (cuneiform) languages (Java)
2010	KochplattformWeb - Inverse recipe search engine as a web application (Scala, Scalate)
2010	J2Latex - Java to LaTeX Compiler (JavaCC)
2009	Timtris - Tetris Game with Dr. Mario mod (Java)
2009	Quiz - Quiz Game with three different question types (C++)
2008	ConnectFour - ConnectFour game for the console (C)

▬▬▬▬ Miscellaneous

Driving Licenses

Aug 2006	European Motorbike Driving License, Class: A
Apr 2006	European Trailer Driving License, Class: BE
Nov 2005	European Car Driving License, Class: B
Interests	Travelling
	Swimming, Biking

▬▬▬▬ Contact Information

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Social Media

: Publications | ORCID profile | Google Scholar profile