

# Curriculum Vitæ

Daniel Kinzler  
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## Personal Information

Name: Daniel Kinzler

Born: August 15. 1977 in Filderstadt, Germany

Nationality: German

Family: Married, two children

Degree: Master of Computer Science (Diplominformatiker)

Address: Radiusstr. 17  
04179 Leipzig  
Germany

## Education and Experience

1984 - 1991: Attended Freie Waldorfschule Essen

1987: Learned BASIC on my Apple II+ and fixed a bug in Breakout

1991 - 1996: Attended Gesamtschule Velbert Mitte

1993 - 1994: Exchange student at Center Grove High School, Greenwood, IN

1996: Allgemeine Hochschulreife (Abitur)

**1996 - 2003: Student of informatics and sociology at the University of Stuttgart**

1997 - 1998: Student assistant at the University of Stuttgart:

shell-scripts, Perl, Math-ML, evolutionary algorithms

1998 - 1999: Junior developer at Delta Industrie Informatik GmbH (now DELMIA):

C++, MFC, COM+

2000 - 2002: Developer at BrainOn AG, Switzerland:

Java, Client/Server, RMI, GUI (Swing), vector rendering engine

2001: Vordiplom (bachelor) in informatics from the University of Stuttgart

2002 - 2003: Student trainee at DaimlerChrysler (now Daimler AG):

Internal IT services: maintenance of office computers

2003: Student assistant at the University of Stuttgart:

Java, Client/Server, RMI, GUI (Swing)

**2003 - 2008: Student of informatics and logics at the University of Leipzig**

- 2003 - 2004: Student assistant at the University of Leipzig:  
Web design in PHP, semantic modeling with RDF/OWL
- 2004: Freelance developer for the GrüneKraft:  
Development of an online shop in PHP
- 2004 - 2005: Freelance developer for Art Picture, Switzerland:  
Development of a PHP website framework
- 2005: Birth of first daughter
- 2005 - 2006: Freelance developer for BrainTribe (aka Compendium), Austria:  
Java, component systems, workflow modeling, GUI (Swing)
- 2005 - today: Community developer for MediaWiki. Some popular extensions:  
CategoryTree, Gadgets, Lockdown, LanguageSelector
- 2007: Birth of second daughter
- 2008: Diplom (masters) in informatics from the University of Leipzig:  
Thesis about Mining a multilingual thesaurus from Wikipedia.
- 2008 - today: Senior software developer at Wikimedia Deutschland**
- 2008 - 2009: Freelance consultant for Knewco, Netherlands:  
Semantic integration with Wikipedia
- 2009 - 2010: Freelance consultant for Bridgeman Art, UK:  
Tag disambiguation, phrase detection, cross-lingual search index

## Selected Projects:

- PSRS: As an undergrad lab project, I implemented a distributed sorting algorithm called “Parallel Sorting by Regular Sampling” in Java, using CORBA for communication between the nodes. The algorithm worked quite well, while CORBA proved to be a bad choice.
- Nutmin: As a student assistant at the Department for Distributed Systems at the University of Stuttgart, I implemented a distributed, asynchronous event handling system based on RMI. It was used to update the user interface of clients for a virtual learning environment called NUSS.
- WikiWord: As my diploma thesis, I wrote a system for extracting a multi-lingual thesaurus from Wikipedia. The thesaurus is based on the link structure and contains information about which term refers to which concept in which language and how frequently. It also provides

a measure for semantic relatedness based on feature vectors.

**Bridgeman Art:** As a freelancer for Bridgeman Art, my task was to standardize the tagging vocabulary of a large image repository, and build a multilingual search index. I employed automatic disambiguation based on semantic relatedness as well as phrase detection and named entity recognition, all based on the data from the WikiWord project.

**WikiPics:** As a developer for Wikimedia Deutschland, I prototyped a cross-lingual search engine for Wikimedia Commons. It, too, is based on the WikiWord thesaurus. However, it uses heuristics for ranking that are based on image usage and tagging conventions in Wikipedia.

### **Additional Skills:**

Languages: German (native), English (fluent)

Drivers License: EU class B