# Curriculum Vitae

Toralf Kirsten
*1972-07-10, Altdöbern, Germany
German citizen

## Personal Data

| | |
|---|---|
| Gender | male |
| Marital status | unmarried, one son (*2006) |
| Place of living | Leipzig, Germany |
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## Education

**2002-01 - 2007-12**   **Research assistant**

Interdisciplinary Centre for Bioinformatics, University of Leipzig

Degree: Doktor-Ingenieur (Ph.D) in Computer Science

Ph.D Thesis: "Data-warehouse- and mapping-based data integration platforms in bioinformatics" (in German)

Supervisor: Prof. Dr. Erhard Rahm

**1994-10 - 1999-01**   **Study of Economics (specialization in business informatics)**

University of Applied Sciences Leipzig

Degree: Diplom Kaufmann (FH)

Diploma Thesis: "OLAP in the Management" (in German)

Supervisor: Prof. Dr. Klaus Kruczynski

**1992-08 - 1993-06**   **High School**

Degree: "Fachhochschulreife"

**1989-09 - 1992-07**   **Apprenticeship**

Datenverarbeitungszentrum Leipzig GmbH

Degree: Datenverarbeitungskaufmann (IHK)
(engl.: Businessman for data processing with final examination at the chambers of industry and commerce)

## Work Experiences

**2008-01 - present**   **Researcher and Senior Developer**

Interdisciplinary Centre for Bioinformatics, University of Leipzig

Selected activities:

- Design, implementation and experiments with a duplicate detection framework matching patient pedigrees
- Design and implementation of the Generic Ontology and Mapping Management (GOMMA) system
- Evolution analyses of biomedical ontologies and mappings among them
- Design and implementation of the Genetic Data Warehouse (GeWare 2.0) as central analysis and management platform for high throughput data including gene expression, Matrix-CGH, and SNP data (multiple vendors)

**2002-01 - 2007-12**   **Research Assistant**

Interdisciplinary Centre for Bioinformatics, University of Leipzig
Member of the working group "Databases and Data Integration"

Selected activities:

- Design, implementation and experiments of different approaches for matching large biomedical ontologies
- Design and implementation of a mapping-based data integration approach (BioFuice)
- Design and implementation of a hybrid approch to integrate genome annotations
- Design and Implementation of the Genetic Data Warehouse (GeWare) as central analysis and management platform for gene expression data (Affymetrix-based)

**1999-02 - 2001-12**   **IT-Consultant**

Mummert + Partner (now: Steria Mummert Consulting)

Selected activities:

- Design of data warehouse architecture, schema, data logistics (ETL), and analysis, i.e. OLAP and reporting
- Different responsibilities from project member to part project leader
- Project memberships in various domains, e.g., automobile industry, letter transport, health administration, banking

**1998-02 - 1998-08   Student Internship**

Mummert + Partner

Selected activities:

- Report implementations for different SAP modules
- Organization consulting / restructuring

**1997-10 - 1998-01   Student Internship**

University of Applied Sciences Leipzig

Activities: Student work with Prof. Klaus Kruczynski

**1997-03 - 1997-09   Student Internship**

Stadtwerke Düsseldorf AG, Department of Information Manegement

Selected activities:

- Project member of a software launch and rollout of an internal office communication software solution based on Lotus Notes
- Business process modeling using ARIS toolset

**1995-07 - 1997-02   Student Internship**

University of Applied Sciences Leipzig

Activities: Student work with Prof. Klaus Kruczynski

**1995-01 - 1995-07   Tutor**

Symdata GmbH Leipzig

Activities: Lectures for different software and operation systems

## Military Service

**1993-07 - 1994-06**   Honors: Ehrenmedaille der Bundeswehr in Bronze
(engl.: Medal of Honors of the German Army, Bronze)