

Address: KIT-Campus South
 Institute AIFB - Building 05.20
 Kaiserstrasse 89
 D - 76133 Karlsruhe

Phone: +49 (721) 608 4752
 Fax: +49 (721) 608 6581
 E-Mail: mueltin@kit.edu
 Born: Munich, January 27, 1981
 Nationality: German



Curriculum Vitae

EDUCATION AT KARLSRUHE INSTITUTE OF TECHNOLOGY

Study of Computer Science

10/02 - 02/09

- ➔ **Diplom, Grade 2.1**
- ➔ **Diploma Thesis at SAP Research (CEC Karlsruhe):** Semantic Service Discovery using Natural Language Queries (Research in the areas of Semantic Web, ontologies, service discovery, processing of natural language queries)
- ➔ **Main courses:** System architecture, Software engineering, Computer engineering, Telecommunication and database systems, Real-time systems
- ➔ **Specialisation 1:** Information systems (Database Systems, Data-Warehousing & Data-Mining)
- ➔ **Specialisation 2:** Telematics (Network Security, Mobile Communications, Network- and IT-Security-Management, Internet Protocols)
- ➔ **Supplementary courses in:** Entrepreneurship
- ➔ **Student Research Project:** Implementation of an open-source anti-spam plug-in for Microsoft Outlook using Sender Address Verification
- ➔ **Seminar course:** Fundamentals and practical application of cryptography (DES, AES, Diffie-Hellman, RSA and PGP)
- ➔ **Seminar course:** RFID-chips and biometry in passports as a problem regarding data protection rights
- ➔ **Advanced Lab:** Database applications (SQL92, Oracle and relational databases and complex XML-queries)

FURTHER EDUCATION

Military service

09/01 - 06/02

Completed basic training, served in the computer department afterwards

Secondary School (Geschwister-Scholl-Gymnasium Ludwigshafen/Rhine)

09/91 - 06/01

Abitur, Grade 1.8

Fabius-Pompey High-School, Upstate New York

08/97 - 06/98

Attended 12th grade as an exchange student, lived with a host family and got to know the American culture

PROFESSIONAL EXPERIENCE

Ph.D. student at Karlsruhe Institute of Technology (KIT)

since 05/09

Department: Institute of Applied Informatics and Formal Description Methods (AIFB)

- Research and teachings in the area of future efficient and smart energy systems as well as e-mobility
- Research project “MeRegioMobil” (<http://meregiomobil.forschung.kit.edu>)

Internship and Working Student at SAP AG

11/07 – 05/08

Department: AP Engineering Architecture

- Conceptually designed, developed, documented and maintained a Web-based application (using PHP, AJAX, JavaScript, HTML and CSS) for the management of projects concerning verification of technology- and architecture-features
- Integrated the software in existing applications, tested it and trained end users

Education Support Centre Germany

10/05 – 09/07

Student assistant

- Provided technical support (hotline and email) for Microsoft’s desktop-, office and server products

Dölker IT-Systems

09/98 – 12/05

Freelancer

- Assembled and configured computers
- Gained experience in the service domain, programmed databases and developed websites

SOFTWARE SKILLS

Programming

- Java (advanced)
- HTML, CSS, PHP, JavaScript, AJAX, XML (advanced)
- Visual Basic for Applications (in Access) and VB.NET (advanced)

Operating Systems and Software

- Windows XP/Vista/7, Mac OSX
- Eclipse, Visual Studio, Latex, MS Office

LANGUAGE ABILITIES

- **English (fluent)**
- French (basic)
- Spanish (basic)

PERSONAL INTERESTS

- Travelling (backpacking tours), Sports, Literature, Poker, Photography