

## PERSONAL INFORMATION

## Lukas Erlacher



📍 Hofzaunweg 6a, 83677 Greiling (Germany)

☎ 08041-41986 📠 0178-9688409

✉ [luke@lerlacher.de](mailto:luke@lerlacher.de) (personal)  
[erlacher@in.tum.de](mailto:erlacher@in.tum.de) (TUM)

🌐 [www.lerlacher.de](http://www.lerlacher.de)

Sex Male | Date of birth 24 Jun 1988 | Nationality German

## WORK EXPERIENCE

01 January 2004 – Present

## Freelance web consulting

- Acquisition, setup, administration, and maintenance of PC workstations
- Setup, administration, and maintenance of small LANs
- Setup, administration, and maintenance of web servers, databases, webhostings
- Web development (PHP, HTML, MySQL) for websites and web applications
- Design, development, and maintenance of desktop database applications (MS Access, OO.o Base)
- Setup, customization, maintenance, and content formatting for websites, CMS and boards (Mambo, Joomla!, phpBB)
- Design, content, layout, copy-editing, and prepress for handouts, flyers, posters

19 October 2009 – 19 February 2010

## Tutor “Introduction to Computer Science” (for non-Informatics studies)

Java tutorial course for beginners

01 January 2011 – 29 February 2012

## Computer programmer

Klinikum rechts der Isar, München

Development of Software to model, visualize, and control medical systems

- Development in and for Windows (XP and 7, 32-bit and 64-bit), in C# / .Net Framework 3.5 and 4
- Automatic and semi-automatic feature recognition algorithms
- Tool development
- Optimization algorithms

## Computer Science Tutor

Technische Universität München

Tutor for the following courses:

- Introduction to Computer Networking and Distributed Systems (lecture)
- Introduction to Computer Architecture (lecture and project course)
- Aspects of Low-Level Programming for Games Development (project course)

## EDUCATION AND TRAINING

12 September 1995 – 31 July  
1999

**Primary education**

Volksschule Reichersbeuern

20 September 1999 – 31 July  
2008

**Abitur / Allgemeine Hochschulreife**

Gabriel-von-Seidl-Gymnasium Bad Tölz

- AP Physics, English
- Extracurriculars Delphi Programming, Java Programming, Web Programming (HTML, PHP, MySQL)

01 October 2008 – 31 September  
2012

**Informatik Bachelor of Science**

Technische Universität München

- Applied subject Medicine, interdisciplinary project "Human Bone Segmentation"
- Bachelor Thesis "Link-Layer Forward Error Correction for Wireless Mesh Networks"

01 October 2012 – 31 April 2015

**Informatik Master of Science**

Technische Universität München

- Applied subject Electrical Engineering, Interdisciplinary Project "Development of the Moep80211 Wireless Mesh Network"
- Master Thesis "Latency Optimisations in Linux Networking"

## PROFESSIONAL SKILLS

## Programming Languages

Proficient:

- Python
- PHP
- C#
- C

Intermediate:

- OCaml / Standard ML
- Ruby
- JavaScript
- VHDL

Beginner:

- C++
- Haskell

Frameworks /  
Stacks /  
Environments

Proficient:

- LAMP web applications
- C# .Net / WPF desktop applications
- ARM-based Microcontrollers (NXP LPC, Infineon XMC)
- Linux administration

Intermediate:

- Rails
- MS Office (Access, VB) applications
- Twisted, Django (Python web frameworks)
- OpenGL

Beginner:

- Node.js
- DirectX
- Bootstrap

## Tooling

Proficient:

- Git VCS
- Saltstack Configuration Management
- Gitlab Collaboration Platform

Intermediate:

- Subversion VCS
- Cmake

EXTRACURRICULAR AND  
PERSONAL PROJECTS

July 2004 – Present

## Volunteer Fire Brigade Service

Freiwillige Feuerwehr Greiling

- Level 2 Crew Training
- Performance Badge Silver
- SCBA Training

September 2013 – Present

## Electronics and Software Development

TUfast e.V. ECO Team

- Design and construction of a high-efficiency battery electric prototype vehicle
- Low level embedded peripheral programming, drive control system design and programming, communication bus design and programming, system integration
- Interim propulsion group leader (2014)

April 2014 – Present

## Software Library Development

OnionOO (Tor Project)

- Design and development of an API wrapper library for the OnionOO REST service
- Python 2/3 software distribution
- Transparent data caching

## PERSONAL SKILLS

Mother tongue(s)

German

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B1	B1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](http://www.cerl.eu/)

Driving licence

A, B