

# Markus Lohmayer

## curriculum vitae

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in markus-lohmayer

birthday: 01/08/1989 (D/M/Y)

birthplace: Landshut, Germany



## Education

- 04/2017 – present **Master of Science in Computational Engineering,**  
*Friedrich-Alexander Universität (FAU), Erlangen, Germany,*  
current average grade: 1.3 (1=best, 6=worst)
- Research visit to *Laboratoire d'Acoustique de l'Université du Mans*, Le Mans, France (10/2017 – 12/2017)
  - Research visit to *Department of Applied Mechanics IIT Delhi*, Delhi, India (12/2017)
- 10/2013 – **Bachelor of Science in Mechatronics Engineering,**  
04/2017 *FAU, Erlangen, Germany,*  
average grade: 1.5 (1=best, 6=worst)
- Exchange semester at *UPC, Barcelona, Spain* (winter semester 2015)
- 07/2000 – **Abitur,**  
06/2009 *Gymnasium Dorfen, Dorfen, Germany,*  
average grade: 1.9 (1=best, 6=worst)
- 08/2006 – **Exchange year,**  
07/2007 *Gillespie Highschool, Gillespie, IL, USA,*  
GPA 3.9 (4.0-scale)

## Scholarships etc.

- 04/2018 – present **Bavarian Graduate School of Computational Engineering, Elitenetzwerk Bayern**
- 10/2018 – **Deutschlandstipendium, Ilse und Dr. Alexander Mayer Stiftung**  
09/2019
- 09/2015 – present **Leonardo-Kolleg, ZiWiS, FAU**
- 01/2015 – **Deutschlandstipendium, Siemens AG**  
01/2016

## Professional Experience

- 01/2019 – **Work on lecture notes for Geometric Numerical Integration,**  
03/2019 *Chair of Applied Dynamics (LTD), FAU, Erlangen, Germany*
- 04/2018 – **Teaching Assistant: Machine-Oriented Programming in C,**  
08/2018 *Department of Computer Science 4 (Distributed Systems and Operating Systems), FAU, Erlangen, Germany*
- 04/2018 – **Teaching Assistant: Mechanical Vibrations,**  
08/2018 *Chair of Applied Mechanics (LTM), FAU, Erlangen, Germany*

- 11/2017 – **Teaching Assistant: Dynamics of Rigid Bodies,**  
03/2018 *Chair of Applied Dynamics (LTD), FAU, Erlangen, Germany*
- 01/2017 – **Research Assistant,**  
10/2017 *Chair of Applied Mechanics (LTM), FAU, Erlangen, Germany*
- 04/2017 – **Teaching Assistant: Mechanical Vibrations,**  
08/2017 *Chair of Applied Mechanics (LTM), FAU, Erlangen, Germany*
- 04/2015 – **Teaching Assistant: Machine-Oriented Programming in C,**  
08/2015 *Department of Computer Science 4, FAU, Erlangen, Germany*
- 10/2014 – **Teaching Assistant: Foundations of Computer Science,**  
01/2015 *Department of Computer Science 9, FAU, Erlangen, Germany*
- 10/2011 – **Apprenticeship in Carpentry (finished with certificate of apprenticeship),**  
08/2013 *Schreinerei Prinz, Gestratz, Germany*
- 01/2011 – **Internship in Carpentry,**  
04/2011 *Schreinerei Prinz, Gestratz, Germany*
- 09/2008 – **Academic Coaching for High School Students,**  
07/2009 *Schülerhilfe, ZGS Bildungs-GmbH and Stefans Lernstudio, Dorfen, Germany*  
Mathematics, Physics and English

## Workshops and Conference Participations

- 07/2019 **Course: Summer School on Energy Networks: Modeling the Physics and the Markets,** *Technical University of Berlin, Prof. Volker Mehrmann, Prof. Gregor Zöttl, Berlin, Germany*
- 04/2019 **Course: Spring School on Theory and Applications of Port-Hamiltonian Systems,** *Claude Bernard University Lyon 1 and Technical University of Munich, Fraueninsel (Chiemsee), Germany*
- 05/2018 **Course: Advanced C++ with Focus on Software Engineering,** *High-Performance Computing Center Stuttgart (HLRS), Klaus Iglberger, Stuttgart, Germany*
- 09/2017 **Summer School: System Identification and Uncertainty Quantification,** *Prof. Wolfgang Polifke, Prof. Michael Hanss, Sarntal, Italy*
- 08/2017 **European Conference on Python in Science (EuroSciPy),** Erlangen, Germany
- 08/2016 **European Conference on Python in Science (EuroSciPy),** Erlangen, Germany
- 10/2015 **Third International Workshop on Thermoacoustics,** *University of Twente, Enschede, Netherlands*

## Extra Qualifications

- 05/2018 **Certificate in Teaching Assistant Skills,** *Fortbildungszentrum Hochschullehre (FBZHL), FAU, Fürth, Germany*

## Languages

German	mother tongue
English	business fluent
Spanish	fluent
French	basics

## Voluntary Work

- 04/2011 – **Ecovillage,**  
07/2011 *Communauté Vitulettu, Pietricaggio, Corse, France*  
organic vegetable gardening and construction work for the community

- 08/2010 – **Work on a Farm**, *Organic farm of Georg Hartinger (Demeter)*,  
10/2010 Hodersberg, St. Wolfgang, Germany
- 05/2010 – **Environmental education project**, *Tagwerk eV/eG (www.tagwerk.net)*,  
07/2010 Dorfen, Germany  
I helped to design and undertake a field trip for high school students to an organic farm teaching them about ecology and in particular soil fertility. I also helped with other projects and administrative tasks.
- 08/2009 – **Alternative Civilian service**,  
04/2010 *Asociación de Agricultura Ecológica*, Puerto Maldonado, Madre de Dios, Peru,  
NGO promoting agroforestry as an alternative to the slash-and-burn farming method  
I worked in maintenance and development of a model field, i.e. a young rain forest yielding a revenue.