

Markus Lohmayer

curriculum vitae

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📁 MarkusLohmayer.github.io

🌐 markus-lohmayer

birthday: 01.08.1989

birthplace: Landshut, Germany



Education

- 04/2017 – 12/2019 **Master of Science in Computational Engineering,**
Friedrich-Alexander University (FAU), Erlangen, Germany,
average grade: 1.1 (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 – 04/2017 **Bachelor of Science in Mechatronics Engineering,**
Friedrich-Alexander University (FAU), Erlangen, Germany,
average grade: 1.5 (1=best, 6=worst)
- Exchange semester at UPC, Barcelona, Spain (winter semester 2015)
- 10/2011 – 08/2013 **Apprenticeship in Carpentry,**
Schreinerei Prinz, Gestratz (Allgäu), Germany,
finished with certificate of apprenticeship
- 07/2000 – 06/2009 **Abitur,**
Gymnasium Dorfen, Dorfen, Germany,
average grade: 1.9 (1=best, 6=worst)
- 08/2006 – 07/2007 **Exchange year,**
Gillespie Highschool, Gillespie, IL, USA,
GPA 3.9 (4.0-scale)

Scholarships

- 04/2018 – 03/2020 **Bavarian Graduate School of Computational Engineering (BGCE),** *Elite Network of Bavaria*
- 10/2018 – 09/2019 **Deutschlandstipendium,** *Ilse und Dr. Alexander Mayer Stiftung*
- 09/2015 – present **Leonardo-Kolleg,** *Friedrich-Alexander University of Erlangen-Nuremberg*
- 01/2015 – 01/2016 **Deutschlandstipendium,** *Siemens AG*

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,**
08/2013 *Schreinerei Prinz, Gestratz (Allgäu), Germany,
finished with certificate of apprenticeship*
- 01/2011 – **Internship in Carpentry,**
04/2011 *Schreinerei Prinz, Gestratz (Allgäu), 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,**
07/2010 *Tagwerk eV/eG (www.tagwerk.net), Dorfen, Germany*
I helped to design and organize a field trip with high school students to an organic farm where they learn about ecology and in particular soil fertility. I also helped with other projects and administrative tasks.
- 08/2009 – **Alternative Civilian service, Asociación de Agricultura Ecológica,**
04/2010 *Puerto Maldonado, Madre de Dios, Peru,*
NGO promoting agroforestry as an alternative to the slash-and-burn method
I worked to maintain and develop model fields, i.e. a young rain forest yielding a revenue.