

Résumé

Korbinian Moser

Personal Info

✉: korbi@korbinian-moser.de

🐙: github.com/korbi98

🌐: <https://korbinian-moser.de>

R^G: researchgate.net/profile/Korbinian_Moser

Currently pursuing a Masters degree in physics at Ludwig-Maximilians-University Munich. My main interests lie within applied research, especially solid state physics, plasma physics and (nano)photonics.

Experience

11/2020 – PRESENT	Max Planck Institute for plasma physics Working student, working on emission tomography for bolometer measurements via Gaussian process regression
04/2018 – 01/2019	InTech GmbH, Garching by Munich Working student, working on train simulation in Matlab/Simulink within the TORPA project for estimating efficiency of different propulsion architectures
2013 – 2014	Technical Secondary School Wasserburg & EAS GmbH 20 weeks of internships in metalworking and electrical installation during 11th grade

Education

2020 – PRESENT	M.Sc. in Physics LUDWIG-MAXIMILANS-UNIVERSITY MUNICH
2017 – 2020	B.Sc. in Physics LUDWIG-MAXIMILANS-UNIVERSITY MUNICH Final grade 1.4, Bachelor thesis: <i>Gaussian Processes for Emission Tomography at ASDEX Upgrade</i> 📄
2015 – 2016	Abitur TECHNICAL SECONDARY SCHOOL MUNICH EAST
2013 – 2015	Advanced Technical College Certificate TECHNICAL SECONDARY SCHOOL WASSERBURG

Skills

LANGUAGES	German (native), English (fluent), French (beginner)
PROGRAMMING	Python including the SciPy stack, Java, Android app development in Java and Kotlin, basic C/C++ knowledge
OTHER TECHNICAL SKILLS	Git version control, L ^A T _E X and Markdown, advanced Linux/Unix knowledge, basic electronic projects with Arduino/RaspberryPi, FDM 3D printing

Projects

2019	Simple Budget 📱 Android app written in Kotlin for managing expenses. It has an intuitive user interface, custom expense categories and can track budget limits for individual categories.
2018	TORPA 🐉 TOOLBOX FOR OPTIMAL RAILWAY PROPULSION ARCHITECTURES Contributed to the project by developing a train simulation in Matlab/Simulink that can estimate the energy consumption of different propulsion architectures on given train routes.
2018	Simple ToDoList 📱 Simple ToDo-list app for Android written in Java
2018	Simple Sudoku 📱 Sudoku game for Android written in Java

Volunteer Work

2011 – PRESENT	Voluntary Fire Brigade Active member of local voluntary fire brigade, Since 2018 treasurer of the local fire brigade
2020	Candidacy for municipal council of Moosach

Other

2018 – PRESENT	Deutschlandstipendium scholarship Since April 2018 I am part of the Deutschlandstipendium, a scholarship funded partially by the German government and private sponsors for committed and high-achieving students in Germany.
2016 – 2017	Work and Travel in New Zealand Besides traveling I did different farm work and improved my english skills.