

# Résumé

## Korbinian Moser

### Personal Info

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R<sup>G</sup>: [researchgate.net/profile/Korbinian\\_Moser](https://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

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

### Education

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





### Skills

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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 <sup>A</sup> T <sub>E</sub> X and Markdown, advanced Linux/Unix knowledge, basic electronic projects with Arduino/RaspberryPi, FDM 3D printing

## Projects

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2019	<b>Simple Budget</b>  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	<b>TORPA</b>  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	<b>Simple Sudoku</b>  Sudoku game for Android written in Java
2018	<b>Simple ToDoList</b>  Simple ToDo-list app for Android written in Java

## Volunteer Work

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

## Other

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2018 – PRESENT	<b>Deutschlandstipendium scholarship</b> 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	<b>Work and Travel in New Zealand</b> Besides traveling I did different farm work and improved my english skills.