Résumé
Korbinian Moser

Personal Info

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Currently pursuing a Masters degree in physics at Ludwig-Maximilans-University Munich. My main interests lie within applied research, especially nuclear fusion, plasma physics, computational physics and solid state physics.

Experience

09/2021 – 01/2022	**Swiss Plasma Center EPFL** Research project regarding data analysis of AXUV measurements of the RADCAM diagnostic at TCV ▣
11/2020 – 02/2021	**Max Planck Institute for Plasma Physics** Scientific assistant, 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
09/2021 – 02/2022	**Erasmus Exchange** EPFL LAUSANNE, SWITZERLAND
2017 – 2020	**B.Sc. in Physics** LUDWIG-MAXIMILANS-UNIVERSITY MUNICH Final grade 1.4, Bachelor thesis: *Gaussian Processes for Emission Tomography at ASDEX Upgrade* ✇
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, Matlab and Simulink
OTHER TECHNICAL SKILLS	Git version control, LaTeX 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 Sudoku** ⍟ Sudoku game for Android written in Java
2018	**Simple ToDoList** ⍟ Simple ToDo-list app 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.
09/2016 − 04/2017	**Work and Travel in New Zealand** Besides traveling I did different farm work and improved my English skills.