

# Christian Gößl

## Resumé

*Ad Astra per Aspera*

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## Personal Information

**Nationality:** German

**Civil Status:** single

## Education

*School*

**2006-2010:** Higher education entrance qualification in Eberswalde

*Bachelor of Physics*

**2011-2015:** Bachelor of Physics, University Potsdam

**Courses::** Astrophysics, Computational astrophysics, Hydrodynamics, Computational Physics

**Bachelor thesis::** Übergang zwischen kritischen und überladenen Lösungen bei Akkretionsscheibenwinden( Transitions between critical and overloaded solution at accretions disk), about: Stellar wind, Hydrodynamic, Line-driven winds, simulation

*Master of Physics*

**2015-2021:** Master of Physics, University Potsdam

**Courses::** Advanced astrophysics, Introduction to general relativity, Trends in astrophysics, Advanced computational physics, Introduction to plasmaphysics

**Master thesis::** Aspects of field theories in higher derivative terms, about: General relativity, High energy physics, Ostrogradski instabilities, Field theory

*Science related seminars*

**2017:** Jürgen Ehlers Spring School, topics: General relativity, Black holes, Gravitational waves

**2021:** Graduate Days in Heidelberg, topics: Particle physics at low energy, Thermal field theory

*Research experience*

**Experimental physics seminar 2016:** Presentation of current experimental physic papers. Nonlinear dynamics in reactions at solid surfaces. How to describe reactions at solid surfaces with nonlinear dynamics and experimental setups to investigate the reactions.

**Theoretical physics seminar 2017:** Presentation of current theoretical physic papers. Investigation of fields of charged particles in hyperbolic motions. A paper about charged particles, which moving with the speed of light. The describing fields are violating the Gaussian law. The paper offers an solution.

**Astrophysics seminar 2019:** Presentation of current astrophysic papers. Cosmological radiative transfer and application. A paper about the UV background radiation and the process of photoionization in early universe.

*Research contacts for  
reference*

**Dr. Axel Kleinschmidt:** Albert-Einstein-Institute for Gravitational Physics

**Prof. Dr. Martin Wilkens:** University of Potsdam

## Work

**2010-2011:** Voluntary ecological year in Eberswalde at Wald-Solar-Heim

**2011-2013:** Storeman at Fruchtservice Eberswalde

**2013-2021:** Student assistant at it-department at Albert-Einstein-Institute in Golm

**2022-2025:** Online private tutoring at the Studienkreis GmbH for students in school

## Languages



**German:** fluent




*mother tongue*

**English:** good working knowledge

*oral and written*

## Computer Knowledge

**General experience:** first and second level support, project management, optimizing processes, website programming, webhosting (Wordpress ) , data analysis 

**Office:** LaTeX , LibreOffice , Microsoft Office  Office 365

**Programming languages:** HTML , Javascript , CSS , C++ , Python , Matlab , Julia , Fortran , Bash , Markdown 

**Operating system:** Windows , Linux ,  , macOS 