

# Johannes

## Research Associate



22/11/1985, Augsburg, DE



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## About me

I am a physicist experienced in a variety of fields with a passion for programming and automation.

For the last five years I have been working on the design and implementation of state of the art experiments in atomic physics. The control of such experiments requires nanosecond timing, with precise synchronization and configuration of multiple devices. For this task, among others, I use Python.

My passion for soft- and hardware also expands to my private life, where I implement evolutionary algorithms for different problems and experiment with hardware such as the raspberry pi.

## Expertise

### Software:

- Python, pyqt
- Mathematica
- COMSOL multiphysics
- SIMION
- CATIA, SolidWorks
- GitHub
- Latex, Blender

### Hardware:

- ultra high vacuum creation
- lasers and optics
- electronics
- raspberry pi, red pitaya

### Languages:

- English
- German

## Curriculum vitae

