

Johannes

Research Associate



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About me

I am a physicist experienced in a variety of fields with a passion for Python 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 sequence of such experiments is controlled by a central computer, bundeling the control over the various 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

