

# Nils Dambowy

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## EDUCATION

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- 2023-ongoing     **J.W. Goethe Universität Frankfurt a.M.** - B.Sc Physics
- 2018 - 2023     **J.W. Goethe Universität Frankfurt a.M.** - B.Sc Computer Science  
Thesis: Optimizing a Natural Language Processing pipeline for the automatic creation of RDF data
- 2015 - 2018     **Lichtenberg-Oberstufen Gymnasium, Bruchköbel** - Abitur

## WORK EXPERIENCE

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- 2020-ongoing     **Student Assistant, J.W. Goethe University, IT Service Center**
- Managed IT infrastructure for the Department of Economics and its associated buildings
  - Assisted national and international staff with technical issues
- 2020 - 2021     **ITF tournament, Bruchköbel**
- Managed the upload/editing of articles on the tournament website
  - Entered tournament and match results
  - Promoted the tournament experience on social media
- 2016-2018     **Computer support, Lichtenberg Oberstufen Gymnasium**
- Voluntary helpdesk in cooperation with AWO
  - Assisted with technical problems and created guides for home-use
  - Prepared short presentations on Office programs

## PROFESSIONAL EXPERIENCE

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- 2021     **Modeling and simulation of biological systems**
- Programmed a model to simulate the spread of a virus based on a scientific paper
  - Compared the scientific findings to the Corona pandemic and presented the results
- 2020     **Hardware practical course**
- Programming in VHDL
  - Design of various bit adders and logical circuits
- 2020     **Computer graphics**
- Implementation of several computer graphics representations and algorithms
  - Introduction to computer graphics such as anti-aliasing or ray tracing
- 2018-2023     **Lectures at J.W. Goethe Universität**
- Attended: Discrete Modeling, Data Structures, Theoretical Computer Science, NLP-supported Data Science, Hardware Architectures und Computing Systems, Introduction to Programming, Stochastics, Introduction to IT Project Management

## SKILLS & INTERESTS

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- Languages     German, English
- Technologies     Python, C++, SQL, Microsoft Office, Microsoft Windows, Linux, Android, Latex, OTRS, Ivanti Landesk, TeamViewer
- Interests     Running, cycling, playing guitar