

## Student assistant position: Implementation of error correction and compression techniques

The project's main purpose to implement compression and error correction techniques for big data.

### Your tasks:

- Your main task is to apply error correction techniques (like Reed-Solomon codes)
- Developing data compression techniques
- Installing any required softwares or libraries
- Benchmark system with large data sets

### Your profile:

- You are studying computer science or a comparable field of study
- Good knowledge in a programming language like Python
- Good knowledge of English or German
- You are curious about new technologies & motivated to bring projects to success together with the team
- Nice to have knowledge of error correction (like Reed-Solomon codes) or data compression

Apply now by sending us your up-to-date CV to [wiese@mathematik.uni-frankfurt.de](mailto:wiese@mathematik.uni-frankfurt.de)

We are looking forward to your application.

### Why work with us?

- You contribute to a very demanding topic that could impact the analysis of medical data
- You can develop and implement your own ideas
- You can work independently and flexibly
- Academic and research-oriented working environment
- Opportunity to employ your gained experience towards thesis and projects.
- Opportunity to contribute to group research papers in workshops, conferences, and journals.
- Corporate Benefit Advantage Platform

### Contact:

Prof. Dr. Lena Wiese  
Database Technologies and Data Analytics  
Institute of Computer Science  
Goethe University Frankfurt  
<http://www.dbda.cs.uni-frankfurt.de/>

