The [Chair for Sinology with a Focus on the Intellectual and Cultural History of China](#) (Alexander von Humboldt-Professor) is looking for a working student for the development of a bibliographical database of Chinese mathematical texts.

Description

We seek a motivated and talented working student to join the [sin-aps](#) project for the design and implementation of a database containing bibliographical information for Chinese mathematical texts. In the project, we have collected information about numerous pre-modern mathematical works from China. You will assist us in making this information available to the research community in the form of a database with a web interface that can be used for both querying and updating the data. In doing so, you will closely collaborate with the other members of the project, consisting of both Sinologists and Computer Scientists, in order to understand what data needs to be stored in the database, and how the users might want to access it. Since the database will be developed from scratch, you will have the chance to research and make informed choices about the exact technologies that will be used.

The contract will initially be for 6 months, with a possibility to extend the contract further.

Responsibilities:

- Collect and formalize the requirements for the database, based on input from researchers working with Chinese mathematical texts.
- Design a schema for the database.
- Implement the database and a web interface for it.
- Import and clean data from existing heterogeneous data sources.
- Help with testing, debugging, and documenting software functionality.

Requirements:

- Strong knowledge of SQL and database design.
- Strong programming skills, preferably in Python.
- Solid understanding of web development technologies (HTML, CSS, and JavaScript).
- Solid knowledge of Chinese, preferably also in working with traditional characters.
- Excellent skills in the working language, English.
- Ability to clearly communicate technical and other issues with non-technical contributors.
- Proactive attitude and ability to work independently as well as in a diverse, interdisciplinary team.
- Interest in working with historical data.

How to apply

Please send your application (brief cover letter describing how you fit this position, CV, current transcript of records, all in a single pdf) to Prof. Andrea Bréard (andrea.breard@fau.de) latest by October 30th. For further questions, please contact Florian Kessler (florian.kessler@fau.de) or Prof. Andrea Bréard (andrea.breard@fau.de).