

## Final Report: Computer science at Free University Berlin

Ms. Wendi Ding

Peking University

Data Analysis of GfBio

August 8th / 2Months

I was honored to have the chance to go to Freie Universität Berlin through sustainability exchange program in the summer 2016. I was expecting to have a research experience in another university, and I could say that this journey brought me such much more, which was beyond my expectation.

I was interested in the GFBio project which aims to build a sustainable data platform, so my research plan is about this project. Professor Müller-Birn of HCC lab agreed on my plan first, then when I got Berlin, Ms. Katrin Risch took me to the laboratory directly. The professor and the team were really enthusiastic and nice, they helped me with everything I needed in the laboratory.

I supported research on GFBio, whose goal is to provide a sustainable, service oriented, national data infrastructure facilitating data sharing and stimulating data intensive science in the fields of biological and environmental research. Under the guidance of Professor Müller-Birn, I worked on analyzing the data set from our academic partner to improve the GFBio semantic ontology search service, which mostly involved data mining and NLP. I'm so grateful to Professor Müller-Birn and all partners especially Dr. Naouel Karam who led me mainly in this research internship which taught me how to be a good researcher and everything that needs to be done for thorough academic research. Moreover, we, all laboratory staff went a boat trip through Berlin, which was so fantastic! Prof. Claudia Müller-Birn told me a lot stories about the city! I'm so grateful, everyone was so happy that day.

When I first got to Berlin, I felt a little worried because this is a totally new city to me, but the more I explored it, the more I loved it. I talked to different people here and found out people's different dreams for life, it's really excite me that there are so many possibilities in this world. I loved the way from the apartment to laboratory, sunshine, trees, gentle winds, all smiles from people around, FUB has a really beautiful campus and I wish I could always stay here. During my stay in FUB, I noticed that all buildings have a sustainability report at the entrance which shows how this building

contributes to economizing energy, what the situation of last month. I'm really touched by this since Germany has really great environment and they are still working on the sustainability. Sustainability is shown everywhere in Berlin, metro, building, and etc, which makes me think that we should do something to improve environment in China, even if this would help a little.

Now I am still working on GFBio project for my bachelor thesis, I'm hoping to go to FUB again since last experience was so great! I will always remember this experience which brought me not only just a research internship, but also a reconsideration of what I want to do in the future. People there help me a lot and I will always be appreciated for all what they do!