

Statement of Teaching

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I only have two short teaching experiences that requires me to think about what and how to teach. One is in the [The FOR 1807 Winter School on Numerical Methods for Strongly Correlated Quantum Systems](#), I and Shuo-Hui Li prepared the hands on session. Another is in the [spring school in Song-Shan Lake](#), I prepared the lectures on the quantum computing part. Both are happy and enjoyable experience thanks to my advisor Lei's patient guide. In both schools, we get good feedbacks. I still remember in the Marburg winter school, Prof. Fakhre Assaad so commented to his student in front of Lei: "See, this is called professional.". In the Song-Shan Lake Spring School, we also get a high score in students's feedback.

- It is important to prepare and archive your teaching material online so that students can access them after the course. Github is a good form for organizing things. For example, we have our teaching materials organized [here](#).
- If your students have diverse background, it is super helpful to prepare some challenges for them, in case they do not have anything to do if the top students are already quite familiar with the course.
- In the beginning of each lecture, it is very important to let student know what can they get from this lecture (or the goal) and I need to emphasize this point again and again. It can help student to organize what they learnt.
- During the teaching, it is important to control the speed. It is more important to stop at a certain point, and get some feedback from students, than going "smoothly" without stop. This is because, when people encounter a new concept, he needs to think for quite a while in his head before accepting it. If you did not give him time to savoring what he learnt, getting him lost is the only result.

I do not have any teaching experience in Harvard partly due to the COVID. But still I feel these teaching experience helped me a lot in explaining idea to some Phd candidates.

I like teaching. I am primarily interested in teaching "algorithms". It can be in the form of a language course.