

Teaching Statement

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July 2023

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While I am more research-focused and do not claim to be a successful teacher in this statement, I aim to showcase my qualifications to teach undergraduate or higher-level students by presenting my past teaching/mentoring and course-designing experiences.

Teaching experience. I graduated from *Beijing Normal University*, the best normal university in China that prioritizes the development of high-quality teachers. My major was *Educational Technology*, which provided me with a comprehensive understanding of educational theory and principles. Moreover, I gained valuable teaching experience with high school students during my time as an intern at *the Affiliated High School of Peking University* for six months and as an IT (information technology) teacher at *the Hefei No.10 High School* for a year.

Mentoring experience. I have a wealth of experience mentoring students at various levels. In 2018, I successfully supervised an undergraduate student who completed his undergraduate thesis and received honors from *Wuhan University*. During my time at UNSW, I also mentored a master's student through *the UNSW Career Discovery Mentoring Program*. Additionally, I am a co-supervisor for a PhD student who, under my guidance, has already had one research paper accepted by ASE 2023 (core A*).

Course designing experience. As an undergraduate, I received professional training in course design through the “instructional design” course. Currently, I am in the process of developing a course called “Principle of Compilers” from scratch. During the design process, I have extensively studied over ten courses from different universities, enabling me to develop syllabi, homework assignments, tests, projects, and evaluate the course. I am also enthusiastic and qualified to take on the challenge of designing and teaching courses like *Foundation of Programming Languages*, *Data Structures*, *Algorithms*, *Formal Languages and Automata Theory*, *Advanced Compiler Techniques*, *Program Analysis*, and *Formal Verification*.

Lastly, I am passionate about teaching, finding it to be an incredibly rewarding pursuit. Witnessing students grasp the material I present and engage in thought-provoking discussions brings me immense joy. Moreover, teaching enhances my own understanding of the subject matter and often leads to innovative approaches to problem-solving.