

# Personal Statement

ASTRONOMY & ASTROPHYSICS PH.D.

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*“Explore the universe, benefit the society.”*

I was born and raised in a small town lying in a water-curved valley in South-east China. Historically, long before asphalt roads and automobiles came into being, mountains had kept my hometown marooned for thousands of years. Fortunately enough, in an era of rapid modernization, I was able to receive fundamental education before leaving for large cities as a first-generation college student. Still, my interests and character have been shaped in that valley.

My initial understanding of the mysterious world came from mountains covered by endless forests of bamboo where I used to search for hidden bamboo shoots in those rainy springs and stare at the unstained night sky without knowing any of the stars. Since then I have been fascinated by the magic of nature, under which everything changes in tune with time. There is little wonder that when I was old enough to comprehend the wonderful physical world on books, and later in my teens, the Internet, I became a fan of nature sciences, especially astronomy. Living in a region far from advanced educational resources, a great obstacle is lack of teachers and fellows in astronomy. It was when I studied telescope structure and some basic astrophysics all by myself after finishing cumbersome coursework at senior high school that I realized my potential in self-learning and persistence on my beloved venture. Aiming at developing **popular science**, I also started an informal society of astronomy among my peers to conduct sidewalk astronomy practice.

My root deeply embedded in mountains also influenced my perspective on culture and diversity. Today, when shortage is only a remote and obscured nightmare in my hometown, all the ancient memories of isolation do not fade away. Our dialect lingers on. **Xinchang Dialect**, a variety of **Wu Chinese**, is used among no more than 400,000 individuals while sounds like nothing but chirp of birds for the rest billions of people in the country. Carrying a great amount of ancient Chinese pronunciation, vocabulary, and grammar, it is old as fossil and rich as a gold mine. However, it has long been considered demeaning to speak in our dialect in public. Over half of the new generation are even not taught this euphonious but difficult dialect at home. Staying in museums should not be the fate of Xinchang Dialect as well as all the fading dialects over the world. For years, I have been advertising for **linguistic diversity**. In high school, I systematically learned pronunciation and grammar of Xinchang Dialect through both oral and written literature as part of my extracurricular activities. Since I started college life in Beijing in a multicultural environment, I have been volunteered to introduce our dialect along with the culture behind to people from all over the country and the world.

U-M is a great destination to continue my childhood dreams of becoming an astrophysicist. Furthermore I could serve in popular science groups to interpret cutting-edge astronomical literature in an everyday way. I would also run for preservation of all those ancient linguistic treasure.