

At the University of Chicago, I worked with my advisor, Lian-Tao Wang, on applying bootstrap methods to the composite Higgs model. In this framework, the Higgs boson is treated as a Goldstone boson, which naturally explains the hierarchy problem—namely, why the Higgs boson is so light. Our goal was to use unitarity, crossing symmetry, and Regge behavior to constrain the allowed parameter space for the higher-order terms in the Lagrangian, i.e., the Wilson coefficients. Our preliminary results show that these coefficients are bounded within a finite region.

Outside of research, my daily life in Chicago has been shaped by the Red Line. I often take it north to Chinatown for food, and sometimes I ride downtown just to walk around. The train isn't always quiet, but it's convenient. Once, I even got caught up listening to a conversation about the Bulls and almost forgot to get off at my stop. Compared to the calm of Hyde Park, downtown always feels energetic. Stepping out of the station to see the river and tall glass buildings reminds me that I'm right in the heart of the city.

Living here naturally makes me compare Chicago to Taiwan. Prices are noticeably higher—simple things like bubble tea or groceries cost more than what I'm used to. Safety also feels different. In Taiwan, I rarely worry when walking at night, but in Chicago I'm more careful, especially on the Red Line after dark. At the same time, I've come to enjoy how diverse the city is. I've met classmates from many countries, and we sometimes exchange food from home. Once I cooked Taiwanese noodles for a small group, and they introduced me to dishes from their own cultures in return.

Sports have been another way for me to connect with the city. Going to Wrigley Field was an unforgettable experience: I already knew the baseball rules, so it was easy to follow the game and get swept up in the atmosphere. The fans' passion was contagious, and cheering with the crowd felt exhilarating. Still, soccer remains my favorite sport. This summer, I went to the Premier League Summer Series at Soldier Field. Wearing my team's jersey, I joined other fans chanting in the stands and even made friends with another student who supported the same club. Celebrating every goal together felt like we had known each other for years.

Although Chicago differs from Taiwan in many ways—especially in price and safety—I've also found much to enjoy here. The weather has suited me well; I like the cool air, and summer in the city feels perfect for walking and watching games. Between advancing my research, riding the Red Line, sharing food and culture with classmates, and following soccer, Chicago is becoming not just where I study, but a place where I'm building lasting memories every day.



Figure.1 City of Skyline



Fig. 2 Summer Premier League Series (Man United v Bournemouth)





Fig. 3 My office



Fig 4. Night View