Study problems for chapter 1

Explain, in your own words, and based on your own experience, all the possible challenges that one may encounter if one wants to design and build a robot that can play a game of ping pong with a human. Be as specific as you can about the challenges that you identify. You may search online for results related to this problem, and include ones that caught your attention. Limit your total answer to 600 words and use only one page.

The first challenge that comes in my mind is vision. For humans it would be difficulty to play Ping-Pong without vision. Since we use the combination of vision and brain to predict where the ball will move and how we should use our racket. A robot would need a vision system or as tkuhn did. Tkuhn uses microphones to bounce a ball on a plate and decide by the sound where the ball is. (<https://electrondust.com/2018/07/22/stepper-juggler/>)