Course: Robotics and Spatial Intelligence, Fall 2024

Homework 1

Name: Mu-Ruei Tseng (UIN: 133007868)

1. What is your major? What degree are you pursuing? When do you plan to graduate?
   1. I am currently pursuing a Master of Science in Computer Science degree. I am planning on graduating next summer or fall.
2. What do you most hope to do after you graduate?
   1. I want to work as a machine learning engineer in top company’s R&D department.
3. Describe your experience, if any, with robots.
   1. I was a member of the robotics team during my undergraduate studies at HKUST. I worked on the Intelligent Car Racing sub-team, where we developed autonomous model cars to compete in the NXP Cup in China. We won third place in the Southern China region. Currently, I am a member of the Robomaster team at Texas A&M, working on the Computer Vision sub-team.
4. What are your goals for this academic year (not necessarily related to this course)?
   1. I want to be involved more in academic research. I am currently a research assistant under Professor Gutierrez’s supervision. I hope that I can publish some papers and start writing my thesis.
5. Write something about yourself that is not related to engineering.
   1. I really enjoy playing music. I was a cabinet member of the band society during my undergraduate studies. I played electric guitar, and our band often performed at events hosted by other societies.
6. Ask your instructor a question (not necessarily related to the course).
   1. As the development of robots continues to improve over the years, what do you think the status of robotics will be in the next five years, and what skills will we need to stay on this trend?