EC601 Project 1 proposal

- ○ Problem Statement
  Delivery Robot is a complex engineering product in the industry. We need an algorithm about road planning, an algorithm for avoiding obstacles and an algorithm for detecting human and other features. There are lots of details relating to the delivery robot.

- ○ Application
  Technology from delivery robots will help us develop self-driving technology, automate package delivery and so on.

- ○ an initial list of papers
  1. MIT Advanced Vehicle Technology Study: Large-Scale Naturalistic Driving Study of Driver Behavior and Interaction with Automation
  2. Robust algorithm for real-time route planning
  3. ChainerCV: a Library for Deep Learning in Computer Vision

- ○ open source projects to study
  1. https://github.com/IvLabs/autonomous-delivery-robot. Autonomous Delivery Robot
  2. ApolloAuto