

Exercise

Computer Vision (CSCI 4220U)

Please hand in this paper to the instructor before the end of the lecture.

Name: _____

Student number: _____ Date: _____

Q. You are given n 3d points

$$\{(x_1, y_1, z_1), \dots, (x_n, y_n, z_n)\}.$$

Devise a strategy that fits a plane

$$ax + by + cz + d = 0$$

to these points.

Q. Now briefly tell us how you might use this scheme within a driver-less automobile?