Seth Nielsen
EC EN 692 - Professional Writing

Writing Sample 1

Vision Based Boat Landing: Technical Report

As there are no testing locations near BYU that could visually resemble a ship at sea, it was desired to create a simulation that could be a viable alternative for developing and testing our visual algorithms. This research project's immediate goal is to create such a simulation with highly accurate dynamics for an ocean, a ship, and a UAV agent, as well as photorealistic models of each. This will greatly aid development of better and novel visual pose estimation algorithms for future research done on this project, and potentially including the other BYU research projects outlined in this report.