### Mentee Information

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### Mentor Information

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Faculty Advisor: Alex Oeshevsky

### Fall 2015 Research Plan

1) Write a brief outline of your research plan:

   **Topic:** Formation Control of robots

   **Goal:** Designing distributed methods for nodes to cooperate and create a desired formation

   1. Convex Optimization Theory
   2. Algorithms
   3. Test simulations with Matlab

2) What do you hope to learn and achieve by the end of the semester?

   I hope that by the end of this semester, I will have a better understanding of research in general. I hope this opportunity can spark a new interest, and at the same time, better my skills of communication/teamwork under professional environments.

### Signature

Mentee Signature: Date: 9/29/15

Mentor Signature: Date: 9/25/15