## Undergraduate Summer Research Grant Program 2005 Research Plan Due: June 13, 2005

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Work Schedule:		40 hours per week	Lab Location: 414B HRBB		
Researc	h Topic:	Motion Planning: Robotics			
Research Goals:		In motion planning there are several different planners that are used to			
		<u> </u>		are placed in various locations and the	
				Illow the robot to make it to its goal	
				obstacles. Currently they use a motion	
				ronment into separate sections and use	
				o. My research goals are to implement	
			onnecting	the roadmaps that are created by	
		different planners.			
Tasks:		ge the Rotate_At_S function			
			oadmaps <u>(</u>	generated by different planners.	
	3. Evalu	ate methods implemented			
	5.			<b>D</b> .	
1. Rotat		iverables:		Dates:	
		e_At_S function		07/08/05	
		mentation of connection meth		07/30/05	
	3. Analy	sis of results of applying conr	ection me	ethods 08/05/05	
Signatui	es:				
				<u> </u>	
		Student Researcher		Date	
				<u> </u>	
		Faculty Mentor		Date	