



The HOT Team enthusiastically presents Alexandre Garrigo for the 2012 Dean's List Award. Alex has been a member of the HOT Team for four years. Alex has been a part of our mechanical build team. During this time he has worked very closely with his mentors, gaining an excellent understanding of mechanical systems. His mentors, Jim and Adam, have been an inspiration to him. "They always push for perfection." Last year, Alex designed, prototyped and built the end effector for the Logomotion HOT bot. Alex is passionate about maintaining the high standards of the HOT team. Alex has been working closely with the new members of the assembly group, helping them perfect the skills needed to produce mechanical systems that work the way they should. He motivates his fellow teammates both directly and by example to do their very best. During the competition season, Alex is a member of the drive team and pit crew. As a member of the pit crew, Alex must maintain the mechanical systems on the robot. When things go wrong, Alex has shown excellent analytical skills in his ability to troubleshoot and fix the problem. Alex has also been a member of the HOT drive team since he was a Freshman. He has handled the responsibility and pressure of being the human player very well. It can easily be said that Alex has made major contributions to the success of the team during the competition season as well as during the build season.

Alex has been instrumental in promoting and growing FIRST. Alex has arranged and participated in many robotics demonstrations in the community, including a presentation at his mother's tennis club. Over the past few years, Alex has worked with new teams in our area helping them understand the basics of building robots. As a member of a Chairman's Award winning team, Alex has also been helping veteran teams as they pursue their Chairman's Award. He has helped them extend their mentoring role overseas to his homeland in Catalonia Spain. Presently, he has established mentoring connections between local FRC teams and Spanish FLL teams. Over the past few years, he has been working to start a FRC team in Spain. He has recruited mentors for the team, helped them find a sponsor and established a network of teams in the US who are willing to provide technical support. The Spanish FRC team plans to field a pilot program in 2013.

As a student at the International Academy, Alex enjoys the challenging curriculum and is fully embracing the demanding, accelerated coursework required. This has been illustrated through his choice to enroll in two two-year IB level science courses, both biology and chemistry. By the end of these two-year courses, he is expected to have a strong understanding of numerous concepts and applications within both subjects. In biology he will have studied biochemistry, genetics, neurobiology and advanced human physiology. In this course he will also learn to design and perform his own experiments. In chemistry he will have studied thermo-chemistry, bonding, acids/bases and organic chemistry. He is required to spend a significant amount of time in the lab per subject area as well.

Alex plans to pursue biomechanical engineering at the University of Michigan, Boston University or Duke. He thanks his mother for his success. Saying, "She always pushed me to do my best."

