Cover Letter

Oscar Neiva

I am an undergraduate student of Information Technology at FAETERJ. During my course I worked as a software developer in C ++ in the Laboratory of Intelligent Systems and Robotics - SIRLab and I did a scientific internship at the National Laboratory for Scientific Computing - LNCC

At the SIRLab I worked with a team of four people to create an autonomous robot soccer team to the competitions IEEE VERY Small Size Soccer. Among the several parts of the development of this project I worked on the modeling, research and development of the system and the controllers of these non holonomic mobile robots. My work in SIRLab was developed over 1 year and 9 months and in 2014 my team wins the fourth position in the LARC - Latin American Robotics Competition.

During my scientific internship in LNCC I had worked with some concepts of stochastic systems, Markov chains, linear systems and other issues in the area of systems and control. At the end of the work I did a simulation in Matlab of the PageRank algorithm, the one responsible for making the Google search engine page rank. My work in LNCC was developed over 1 year and 11 months and was awarded with the prize "Featured in Scientific Initiation Day".