KAREN LORENA POBLETE RODRIGUEZ

8395 Tamar Dr. Apt 232 Columbia MD 21045 | 443-917-9485 | karenpoblete2002@msn.com

EDUCATION

Instituto Tecnológico Autónomo de México, Mexico City

Masters in Computer Science (with thesis)   **06/2017**
Cumulative Grade: 92/100 (GPA 3.7)

Bachelors in Computer Engineering (ABET accredited)
Bachelors in Telecommunications Engineering   **12/2015**
Cumulative Grade: 90/100 (GPA 3.6)

Relevant Fields: Robotics (motion planning and decision making), Artificial Intelligence, Machine Learning, Data Mining, Software Development, CANSATs.

TECHNICAL SKILLS

Programming Languages: C/C++, Java, VB.NET, LISP, Python. **OS:** Windows & UNIX / Linux. **RDBMS:** MySQL, Oracle, SQL Lite**. Others:** Matlab, R, Gazebo, LATEX, Unity, ROS, NAO robots, MS Office, SVN, Git.

RESEARCH AND WORK EXPERIENCE (INTERSHIPS)

BlueMessaging. Mexico City, Mexico. 01/2014 - 12/2015 Research Intern. Designed a Dialogue Manager System for selling consumer packaged goods. Created UX tools in Java for grading user satisfaction of the system. Created utility tools in Python for REGEX and data management.

Brain-Body Dynamics Lab. USC. California, US. 05/2015 - 08/2015 Summer Intern. Implemented using Matlab and C++ muscle model library to be used in real time hardware simulations. [USC profile]

Parasol Lab TAMU. TX, US. 06/2013 - 08/2013 Summer Intern REU program. Implemented group behavior strategies in C++ for multi-robot motion planning. [TAMU profile]

PUBLICATIONS

- Delgado, J. A., Granados, E., Martínez, E. D., **Poblete, K. L.**, & Morales, M. (2017). Integrated Task and Motion Planning for Instances of Autonomous Driving. Poster in RSS 2017 Workshop on Integrated Task and Motion Planning.
- Cairó O. & **Poblete K**.(2015) KAMET II Conceptual Modeling Language, a Visual and Consistent Language Proved using Concept Algebra. Knowledge-Based and Intelligent Information & Engineering Systems, 19th, KES. Procedia Computer Science, 60, pages 45-54.

LANGUAGES

Spanish (Native language), English (Fluent), Italian (Fluent), French (Advance).

AWARDS AND LEADERSHIP

- National Academic Merit, Best Graduates of 2015, Asociación Nacional de Facultades y Escuelas de Ingeniería (ANFEI).
- Recipient of Excellence Scholarship for Academic Merit, Fall 2012, Spring 2013, Fall 2013 and Spring 2014.
- Team Leader. ITAM Robotics Laboratory since spring 2011 to December 2015.

For an extended version of my CV visit: [Karen Poblete WebPage]