

KAREN LORENA POBLETE RODRIGUEZ

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EDUCATION

Instituto Tecnológico Autónomo de México, Mexico City

Masters in Computer Science (with thesis)

2015 - 2017

Cumulative Grade: 92/100 (GPA 3.7)

Bachelors in Computer Engineering and Bachelors in Telecommunications Engineering

2009 - 2015

Cumulative Grade: 90/100 (GPA 3.6)

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

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, FL studio.

RESEARCH AND WORK EXPERIENCE

BlueMessaging, Mexico City. 01/2014 – 12/2015 Intern: Designed a Dialog 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. 06/2015 – 07/2015 Summer Intern: Implemented using Matlab and C++ muscle model library to be used in real time hardware simulations. Implemented a videogame for muscle rehab using Unity. <http://bbdl.usc.edu/Karen.php>

Texas A&M University. Computer Science Department, College Station, TX, US. 06/2013 – 08/2013 Student Worker at Parasol Lab. REU(Research Experience for Undergrad Students). Implemented group behavior strategies in C++ for multi-robot motion planning. <http://parasol.tamu.edu/people/kpoblete/>

PUBLICATIONS

♦ Delgado, J. A., Granados, E., Martinez, E. D., **Poblete, K. L.**, & Morales, M. 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.** 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, vol 60, pages 45-54, ELSEVIER 2015 MAYOR SCHOOL

LANGUAGES

Spanish (Native language), English (Advanced), Italian (Advanced), French (Intermediate).

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.