KAREN LORENA POBLETE RODRIGUEZ

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EDUCATION

2014 - 2017
Masters in Computer Science
Instituto Tecnológico Autónomo de México
Thesis: Lineal Temporal Logic for motion planning with simulated robots
GPA: 92/100 (GPA 3.7)

2009 - 2015
Bachelors in Computer Engineering (ABET accredited)
Bachelors in Telecommunications Engineering
Thesis: ITAM-SAT1, design and construction of a CANSAT
GPA: 90/100 (GPA 3.6)

EXPERIENCE

2014 - 2015
BlueMessaging. Mexico City, Mexico.
Research Intern.
Designed Dialogue Manager System for selling consumer packaged goods, using **Markov Decision Processes** and **reinforcement learning**. Created **UX tools** in Java for grading user's satisfaction. Created **geo-tagging** tools for google maps in Python.

Summer 2015
Brain-Body Dynamics Lab. USC. California, US.
Summer Intern Researcher.
Implemented, with Matlab and C++, muscle model library to be used in **real time hardware simulations**. Implemented **video game** for muscle rehab using **Unity**.   [bbdl.usc.edu/Karen.php]

Summer 2013
Parasol Lab TAMU. TX, US.
Summer Intern REU program.
Implemented **group behavior** strategies in C++ for multi-robot **motion planning**.   [parasol.tamu.edu/people/kpoblete/]

SKILLS

C/C++	3 years	Java	4 years	VB.NET	5 years
LISP	2 years	Python	2 years	MySQL	3 years
ROS	5 years	Matlab	3years	R	3 years

OS: Windows & UNIX / Linux.
Others: Gazebo, LATEX, Unity,NAO robots, MS Office, SVN, Git, HTML, CSS, JavaScript, AWS

LANGUAGES

Spanish (Native language) |English (Fluent) | Italian (Fluent) | French (Advance)

AWARDS AND LEADERSHIP

2014-2015   CONACYT National Graduate Fellowship Recipient.

2015   National Academic Merit, Best Graduates of 2015, Asociación Nacional de Facultades y Escuelas de Ingeniería (ANFEI).

2011-2015   Team Leader. ITAM Robotics Laboratory.

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