

Juan Irving Solis Vidana

Parasol Lab
Department of Computer Science and Engineering
Texas A&M University

1 EDUCATION

Doctor of Philosophy, Computer Science expected December 2021
Texas A&M University, College Station, TX
Advisor: Dr. Nancy Amato

Bachelor of Science, Electrical Engineering February 2012
Instituto Tecnológico Superior de Fresnillo, Zacatecas, MX

2 HONORS

Conacyt Scholarship for International studies December 2015
Outstanding Achievement on ELIL200 class at TAMU August 2014
Canieti Scholarship for Summer Internship at TAMU May 2014
Best Average of the Class February 2012
1st Regional Place in Electrical Engineering contest May 2007
1st National Place in Mexico Mathematics Olympiad May 2003

3 EXPERIENCE

Research Assistant
Parasol Lab, University of Illinois at Urbana-Champaign July 2019 - Present
Parasol Lab, Texas A&M University January 2016 - July 2019

- Working in motion planning with application to robotics.

Grader September 2018 - May 2019
Department of Computer Science, Texas A&M University
College Station, TX

- Grading for CSCE121: Introduction to Program Design and Concepts and CSCE221: Data Structures and Algorithms courses.

Math Professor January 2013 - December 2015
Department of Electrical and Industrial Engineering

Instituto Tecnológico Superior de Fresnillo, Zacatecas, MX

- Taught courses such as : Differential Calculus, Integral Calculus, Multi-variable Calculus, Linear Algebra, Probability and Statistics, and Inferential Statistics.

MDS Technician

June 2012 - January 2013

MC Assembly, Fresnillo, Zacatecas, MX

- Repaired failures on electrical circuit cards.

4 PROFESSIONAL ACTIVITIES

- Member of *IEEE Robotics Automation Society* (IEEE/RAC).
- Reviewed motion planning papers in 2017-2020 submitted to: *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, *IEEE International Conference on Robotics and Automation (ICRA)*, *Robotics: Science and Systems Conference*, (RSS), *IEEE Robotics and Automation Letters* (RA-L 2016,2017) and *Workshop on the Algorithmic Foundations of Robotics (WAFR)*.
- Co-mentored summer high school and DREU students (2017-2020) in activities such as promoting their programming skills, guided them in the Parasol Motion Planning Crash Course, as well as helping them in their summer research projects.
- Redesigned the website of the Parasol Lab Research Group. Designed the website for the conference ISRR 2017, where Dr. Nancy Amato served as the main chair of the event.