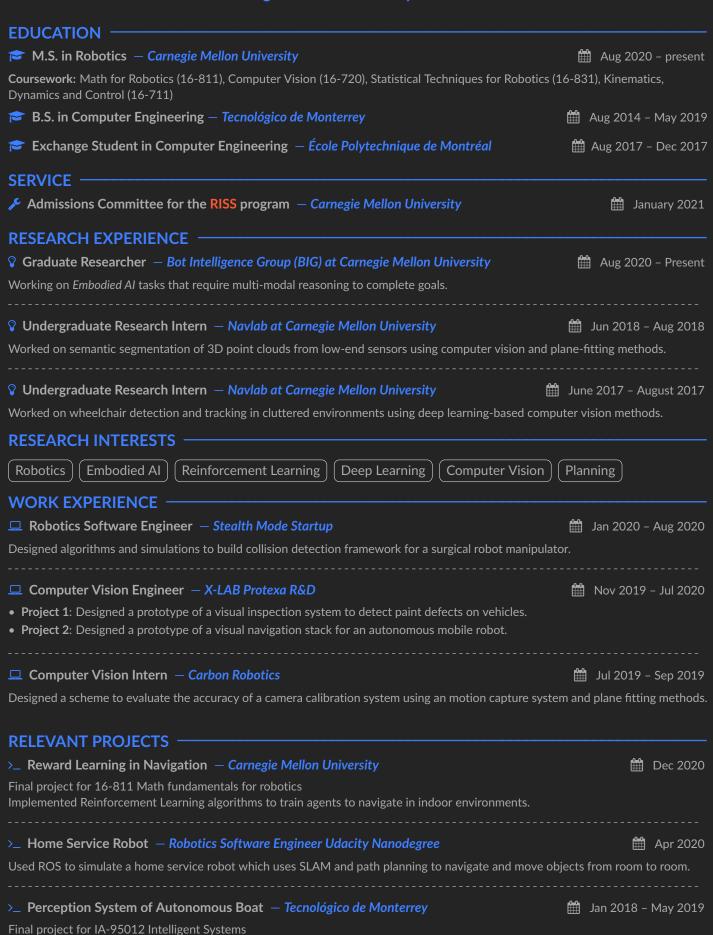
INGRID NAVARRO

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Robotics Graduate Student at Carnegie Mellon University



Worked on the design of the perception stack for an autonomous boat that had to navigate through multiple obstacle courses.

PUBLICATIONS

Poster Presentations

- Navarro, I. and L. Navarro-Serment (2018). "Real-Time Semantic Segmentation System of Sparse LiDAR Point Clouds using Lightweight CNNs and Recurrent CRF". in: RISS Working Papers Journal Vol. 6, pp. 105–111.
- Navarro, I. and L. E. Navarro-Serment (2017). "A Faster RCNN-Based Wheelchair Recognition System". In: RISS Working Papers Journal Vol. 5, pp. 125–132.

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Conference Proceedings

French

Spanish

English

 Navarro, I., A. Herrera, et al. (2018). "Data Augmentation in Deep Learning-based Obstacle Detection for Autonomous Navigation on Aquatic Surfaces". In: Advances in Computational Intelligence. 17th Mexican International Conference on Artificial Intelligence, MICAI 2018, Guadalajara, Mexico, Proceedings, Part II. vol. 11289. Springer International Publishing, pp. 342–353.

CERTIFICATIONS -Robotics Software Engineer — Udacity Nanodegree # Apr 2020 **HONORS / AWARDS** Top student of the Department of Engineering — Tecnológico de Monterrey ∰ Apr 2018 RoboCup Platform Soccer League Competition, 1st place. — Mexican Robotics Tournament **May 2018** 🏆 Emerging Leaders in the Americas Program (ELAP) Scholarship Recipient — Government of Canada **Aug** 2017 **May 2017** Scholarship recipient — Santander - Tecnológico de Monterrey 🟆 Hackathon MTY, Junior Category, 1st Place — Major League Hacking ₩ Mar 2016 **SKILLS** Python Pytorch Habitat Al **ROS** OpenCV VTK Protobuf OpenRAVE Git Bitbucket Ubuntu Windows **LANGUAGES**