ERIK DE GODOY PERILLO

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EXPERIENCE

Phoenix Team of Robotics   2013 - 2016
Project Manager   *University of Campinas, Brazil*

· Lead two successful projects with around 6 people each.
· Helped design three autonomous robots and created Computer Vision solutions for robots using OpenCV.
· Leader of project *Piranha* (2015-2016): An autonomous mini-vehicle capable of visual recognition of targets/obstacles. We got first place, setting a new record in *Robocore*'s latin-american robotics challenge.

Institute of Computing   2016 - Present
Undergraduate Researcher on Artifitial Intelligence (grant by CNPQ)   *University of Campinas, Brazil*

· Working towards a framework for real-time vision allowing mobile robots to explore environment.
· Created `att`, a visual saliency detection model written in Python that predict where people look on images. Our preliminary results from MIT300 benchmark suggest performance close to similar mature models.

Computational Mechanics Laboratory   2014 - 2015
Undergraduate Researcher on Computer Systems (grant by AMD)   *University of Campinas, Brazil*

· Analysed multiple Linux memory management policies for NUMA systems. Designed techiques for determining which policy to use via application profiling.

Renato Archer Center of Technology   2013 - 2014
Undergraduate Researcher on mobile robotics (grant by CNPQ)   *Campinas, Brazil*

· Built a tool for real-time indoors tracking of quadrotors using OpenCV. Compared to the older system, we achieved real-time tracking of twice as much objects and no need for special hardware (only simple webcams).

EDUCATION

University of Campinas (Unicamp), Brazil   2012 - Present
B.S. in Computer Science/Engineering

· T.A. (2016) in *Data Structures*. Helped teach and design/administer exercises sessions.
· Overall GPA: 3.25 (above 86% of class).
· Coursework in Control Engineering (2012-2014) including: Dynamics, Statics, Linear Systems.

ADDITIONAL INFORMATION

· Programming Languages: Python, C++, C, Java, Bash, Haskell, Scheme.
· Interest in Machine Learning/Computer Vision: built object classifiers with OpenCV, text classifiers for big volumes of data using Apache Spark.
· A wide variety of small projects, such as a TCP chat in C++, Steganography in images with Python, a real time hashtag counter using Twitter streaming API and Apache Spark.