ERIK DE GODOY PERILLO

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EXPERIENCE

Google Winter 2017
Software Engineering Intern *Belo Horizonte, Brazil*

- Worked on the sports experience in search, successfully developing and launching features to production.
- Developed a UI change in the sports onebox increasing in 13% long term interactions on mobile devices.

GAIIA tech (startup) 2017 - 2017
Chief Technology Officer *São Paulo, Brazil*

- Built Deep Learning models that allowed identification of crops in brazilian farms using satellite imagery.
- Leader of the development team, providing insights to those involved in 2017 soybean season in Brazil.

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

- Leader of projects *Piranha*/*Baleia*, two autonomous mini-vehicles (5-7 people team). Third/First place in *Robocore*'s latin-american 2015/2016 robotics challenge, setting a new record.
- Built navigation, communication and computer vision systems during the conception of 3 autonomous robots.

Institute of Computing - Unicamp 2016 - 2017
Undergraduate Researcher on Artificial Intelligence *Campinas, Brazil*

- Created a visual saliency detection system using Deep Learning. Our model has around 3/4 less parameters than similar methods yet achieves top-10 performance on MIT300 benchmark.
- Best Undergraduate Research Project Award on WTD2017 conference at Unicamp.

EDUCATION

B.S. in Computer Science (in progress) 2015 - Present
University of Campinas (Unicamp) *Campinas, Brazil*

- Teaching Assistant (2016/2017) in *Data Structures*. Helped design/administer programming assignments.
- Coursework in Control Engineering (2012-2014) including: Dynamics, Statics, Linear Systems.

PROJECTS

- `golb`: Minimalistic blog platform built with Django.
- `Piranha Robot`: built inter-communication system using UDP protocol (C++), vision system using CUDA OpenCV (C++/Python), helped build PID control unit using NXP platform/sensors (C/C++).
- `hct`: Real time hashtag counter using Twitter Streaming API and Apache Spark.
- `Baleia Robot`: built navigation system with Adafruit's BBIO library and vision system with OpenCV.
- `oarg`: A command-line argument parser for Python.
- `ichat`: TCP command-line chat in C++ with file transfer and notifications.