OMAR ELARDEER

Ph.D. Student (IIT) 1st y
Robotics, Brain, and Cognitive Science

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UNIVERSITÀ DEGLI STUDI DI GENOVA   Dibris   iit RBCS

Current Research

Cognitive Neuroscience Audio-Visual Computational Models for Robots (NeuroCogRobot)
- Integrating current audio and visual attention models
- Building multi-model learning system for objects
- Include the motor commands

M.Sc.

Intelligent Systems and Robotics – University of Essex, UK (2019)
- Thesis: Toward Spatial awareness for Smart robots companions in Smart homes (S3)
  - Multi-model system for building an **internal model** for the environment
  - Multi-model growing landmark based **spatial memory** (growing and planning)

B.Eng.

Electrical Energy Engineering – Cairo University, Egypt   (2017)
- Thesis: Building a full power and control systems for **smart electrical bike**
- Electrical and strategy team leader @ **Solar Car team**