

NIKOLAOS KOFINAS

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EDUCATION

- **PhD in Computer Science** (September 2014–present)
Department of Computer Science, University of Maryland, College Park, Maryland, United States
- **Master of Science** (Major: Computer Science) (August 2012–August 2014)
School of Electronic and Computer Engineering, Technical University of Crete, Chania, Greece
Research Topic: “Grammatical Inference for Event Recognition”
- **Diploma of Engineering** (5-year undergraduate program) (October 2007–July 2012)
Department of Electronic and Computer Engineering, Technical University of Crete, Chania, Greece
GPA: 8.62/10.0 (“excellent”)

TECHNICAL SKILLS

- *Programming Languages/Software Development Tools*: C++, C, Java, Objective-C and iOS SDK, HTML, PHP, JavaScript, Python, UNIX shell scripting, MySQL, flex, bison, VHDL, CUDA
- *Robots*: Aldebaran NAO humanoid robot, Sony AIBO

EXPERIENCE

- **Research Assistant** (October 2012–Present)
European Union funded project [NOPTILUS](#):
 - Research about an unsupervised learning approach for the generation of a PCFG from positive data
- **Software Developer** (June 2011–August 2014)
Member of RoboCup Standard Platform League (SPL) team [Kouretes](#)
 - Implementation of path-planning module in C++
 - Implementation of particle-localization module in C++
 - Maintenance and improvement of the team’s core robotic architecture
- **Teaching Assistant** (Spring 2012-13-14)
Theory of Computation, Undergraduate Class, Technical University of Crete
Instructor: M. G. Lagoudakis
- **Software Developer** (February 2013–April 2013)
Junior programmer for the application “[QRator](#)” for iPhone
 - Implementation of various modules in objective-C
 - Debugging and corrections of existing code

- **Software Developer** (February 2011–February 2012)
iPhone application “iMarketList”
 - Super Market list with real time prices for Greece

INTERNATIONAL RESEARCH COMPETITIONS

- RoboCup 2013, Eindhoven, Netherlands
- RoboCup 2012, Mexico City, Mexico
- RoboCup Opens: German Open 2012, Iran Open 2012,2013

AWARDS AND DISTINCTIONS

- *Best Paper Award for the publication “Analytical Inverse Kinematics for NAO”, Robotica 2013*
- *Student Scholarship, [National Scholarship Foundation](#), awarded to the top ECE student of the Technical University of Crete, 2010-2011*
- *Undergraduate Fellowship Award, Office of Sponsored Research, awarded to the top 10% of ECE students Technical University of Crete, 2008-2009 and 2009-2010*

LANGUAGES

- English
- Greek

OTHER INTERESTS - HOBBIES

- LEGO Construction, Tennis, Programming, Traveling, Board Games