Raúl Díaz García

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EDUCATION

University of California, Irvine
- Ph.D., Computer Science, Sept 2011 – Oct 2016.
  Thesis: Strong Geometric Context for Scene Understanding, Oct 2016.

Universitat Autònoma de Barcelona, Spain
- M.S., Computer Vision and Artificial Intelligence, Sept 2008 – Sept 2009.
- B.S., Computer Engineering, Sept 2001 – June 2007.

Nottingham Trent University, UK
- B.S.'s Final Year Project, Feb 2006 – Jun 2006.

CONFERENCE PUBLICATIONS & TECHNICAL REPORTS

R. Díaz, C. Fowlkes "Cluster-wise Ratio Tests for Fast Camera Localization", *Technical Report*, December 2016.

R. Díaz, M. Lee, J. Schubert, C. Fowlkes, "Lifting GIS Maps into Strong Geometric Context for Scene Understanding", *Winter Conference on Applications in Computer Vision (WACV),* Lake Placid, New York, 2016.

R. Díaz[*], S. Hallman[*], C. Fowlkes, ([*]equal contribution), "Detecting Dynamic Objects with Multi-View Background Subtraction", *International Conference in Computer Vision (ICCV),* Sydney, Australia, December 2013.

R. Díaz[*], S. Hallman[*], C. Fowlkes, ([*]equal contribution), "Multi-View Background Subtraction for Object Detection", *Scene Understanding Workshop, CVPR,* Portland, Oregon, June 2013.

WORK EXPERIENCE

HP Inc, San Diego, CA (Since 2016)
Immersive Technology Engineer (intern)
- 3D Computer Vision researcher.

CEPL, Barcelona, Spain (May 2010 – July 2011)
Project analyst
- Supervised migration from Sony's logistic system to CEPL's.
- Maintained Sony's former legacy applications.

Sony Spain, Barcelona, Spain (Aug 2006 - April 2010)
Chief Technology Architect
- Lead the design of database schemes and supervised a team dedicated to implement software interfaces for Intranet development.
Consultant
- Evaluated the need for new business software tools across departments.

Software Engineer
- Designed the logistic division's new software layer on top of a host environment.

Isislan Servicios Informáticos, Sabadell, Spain (Sept 2004 – Jan 2006)
IT engineer
- Network and Database administration of several customer companies.

TEACHING EXPERIENCE	**Universitat Autònoma de Barcelona** (Sept 2009 – July 2011)

Teacher Assistant:
- *Introduction to Artificial Intelligence:* lead discussion lectures on introductory concepts of AI like search, heuristics, and supervised/unsupervised learning.
- *Artificial Vision:* taught about initial aspects of vision such as acquisition, filtering, morphological transforms, description, segmentation, and clustering.
- *Introduction to algorithms and programming:* lead discussion lectures about basic data structures, algorithm concepts, and software life cycles (design, coding, test).
- *Databases:* taught discussion sessions on relational database architecture, entity-relationship models, design, and normalization.

AWARDS & GRANTS

Balsells Fellowship, Sept 2011 – Aug 2013.
Erasmus Fellowship, Feb 2006 – Jun 2006.

LANGUAGE SKILLS

Spanish and **Catalan** as a native speaker.
English:
- TOEFL, 2011.
- Certificate in Advanced English (CAE), University of Cambridge, 2006.

TECHNICAL SKILLS

	Proficient	*Familiar*
Operating Systems:	Windows, Linux	OpenVMS
Programming:	Matlab, Java, C/C++	Pascal, Python, Ruby
Databases:	Oracle, MySQL, PostgreSQL	
Front-end:	HTML, JSP, JavaScript	JSTL
Other:	LaTeX, Git, Subversion	

OTHER ACTIVITIES

Cooperated in the Catalan House of California, Sept 2011 – Aug 2013.
http://www.casalcatalalosangeles.org/

Voluntary member of a presidential candidacy at Club Natació Sabadell, Spain, 2011.
http://www.nataciosabadell.com/

Federated Futsal player, Spanish Futsal League:
- Futbol Sala Castellar, 2007-2011, *team captain.*
- Futbol Sala Bigues i Riells, 2006-2007, *team captain.*
- Club Natació Sabadell, 2001-2006.

Futsal coach
- Ferran Casablancas High School, Sabadell, Spain, Sept 2002 - June 2007