

Merrielle Spain

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Pasadena, CA 91125

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Education

California Institute of Technology (Caltech), Pasadena, CA

Ph.D., Computation and Neural Systems

Anticipated May 2011

- Advisor: Professor Pietro Perona
- Computer Vision, Object Detection, Probabilistic Modeling, Information Visualization, and Machine Learning
- National Science Foundation Graduate Research Fellowship, GPA: 3.7

University of California Los Angeles (UCLA), Los Angeles, CA

B.S., Cognitive Science

2005

- Mathematics Minor
- Specialization in Computing
- Foreign Study: University of Melbourne, Australia
- Phi Beta Kappa
- Summa Cum Laude, GPA: 3.87

2004

Publications

- Spain and Perona (2010) Measuring and Predicting Object Importance. International Journal of Computer Vision.
- Diest, Dionne, Spain, and Atwater (2009) Tunable Color Filters Based on Metal-Insulator-Metal Resonators. Nano Letters.
- Spain and Perona (2008) Some Objects are More Equal than Others: Measuring and Predicting Importance. ECCV.
- Einhauser, Spain, and Perona (2008) Objects Predict Fixations Better than Early Saliency. Journal of Vision.

Computer Skills

- Languages: Matlab, C++, HTML/CSS, LaTeX
- Systems: Linux, Mac, Windows

Leadership

- Vice Chair of the Caltech Graduate Student Council 2006-2008
- Treasurer of the Caltech Graduate Student Council 2008-2009
- Vision Lab Seminar Series Organizer 2007-2010

Experience

- Computational Vision, Neural Computation, Teaching Assistant 2007
- Caltech-Exploratorium Teacher Institute 2007, 2008
- DC-NY Caltech Science and Policy Trip 2006
- Ann Taylor LOFT, Sales Associate 2002, 2003, 2005