LAURA SEVILLA-LARA

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http://people.cs.umass.edu/~lsevilla/

EDUCATION

University of Massachusetts, Amherst Feb 2015
Ph.D. in Computer Science
Thesis: *Long range motion estimation and applications.*

Brown University June 2009
Sc. M. in Computer Science
Masters Project: *Bone tracking from biplanar X-Ray sequences.*

University of Ottawa, Canada Sept 2005 - May 2006
Exchange student in Computer Engineering

University of Granada, Spain July 2007
B.Sc. in Computer Engineering
Final Project: *Mathematical Models for Bio-inspired Artificial Retinas.*

RESEARCH EXPERIENCE

Postdoctoral Researcher- Max Planck Institute Tübingen, Germany Feb 2015 - Today
· With Michael J. Black.

Affiliated Student - Max Planck Institute Tübingen, Germany Feb 2014 - Feb 2015
· With Michael J. Black.

Research Intern - Adobe Research May 2013 - Sept 2013
· With Eli Shechtman and Kalyan Sunkavalli.

Research Assistant - University of Massachusetts Amherst Sept 2009 - May 2013
· With Erik Learned-Miller.

Research visitor - Max Planck Institute Tübingen, Germany June 2011 - Aug 2011
· With Michael J. Black.

Software Engineer Intern - Apple, Inc June 2009 - Aug 2009
· I worked with the VoiceOver team, doing computer vision for accessibility for the blind.

Research Assistant - Brown University Jan 2008 - Dec 2009
· With David Laidlaw. We did an experimental study of the influence of high level cognitive tasks in human stereoscopic vision.

Research Assistant - Brown University Sept 2008 - May 2009
· With Michael J. Black. 3D bone tracking from X-Ray sequences.

Research Assistant - University of Granada Sept 2006 - May 2007
· With Francisco J. Pelayo. Mathematical Models for Bio-inspired Artificial Retinas.

TEACHING EXPERIENCE

Workshop in Computer Science, Camiguin (Philippines) May 2015 - June 2015

· Organized, designed and taught a workshop on vision and robotics for talented teenagers, using the NAO robot.

Teaching Assistant, UMass Amherst Sept 2012 - May 2013

· CS121: Introduction to Problem Solving with Computers.
· CS370: Computer Vision.
· Held discussion sections and office consultations, and graded assignments.

FELLOWSHIPS AND AWARDS

Adobe Research Gift Oct 2013, June 2014

· From the Creative Technology Lab, $18,000.

Fundacion Caja Madrid Fellowship for Graduate Studies May 2007 - June 2009

· F.C.M. fully funded me for 2 years to do my masters, covering full tuition and living expenses.

Vulcanus in Japan May 2007

· From the European Commission and Japanese Dept. of Economy. Acceptance ratio is 4% (Declined).

Research Collaboration at University of Granada October 2006

· From the Spanish Department of Education and Science. 2,400 euros.

Scholarship for Exchange Program in North American Universities May 2005

· From the University of Granada.

Scholarship for freshman students in University June 2002

· From Spanish Department of Education and Science for having a GPA of 4.0 in high school

INVITED TALKS

University of California Berkeley Nov 2013

· *Long range motion estimation.*

COMMUNITY SERVICE

- Best Volunteer Award CVPR 2012 June 2012
- Graduate Representative at School Faculty Meeting Sept 2012 - Sept 2013
- Reviewer for CVPR 2012, ECCV 2012, IJCV, CVPR 2016, ECCV 2016

OTHER

Languages Spanish (Native), English (fluent)

PUBLICATIONS

[1] Laura Sevilla-Lara, Deqing Sun, Varun Jampani, and Michael J. Black. Optical flow with semantic segmentation and localized layers. In *CVPR*, June 2016.

[2] Laura Sevilla-Lara, Jonas Wulff, Kalyan Sunkavalli, and Eli Shechtman. Smooth loops from unconstrained video. In *Computer Graphics Forum (Proceedings of EGSR)*, 2015.

[3] Laura Sevilla-Lara Deqing Sun, Erik G. Learned-Miller and Michael J. Black. Optical flow estimation with channel constancy. In *ECCV*, 2014.

[4] Benjamin Mears Laura Sevilla-Lara and Erik G. Learned-Miller. Distribution fields with adaptive kernels for large displacement image alignment. In *BMVC*, 2013.

[5] Laura Sevilla-Lara and Erik G. Learned-Miller. Distribution fields for tracking. In *CVPR*, pages 1910–1917, 2012.

[6] Laura Sevilla-Lara and Erik G. Learned-Miller. Distribution fields. Technical report, University of Massachusetts Amherst., 2011.

[7] Laura Sevilla-Lara. Bone tracking from x-ray sequences. *Masters Project, Brown University*, 2009.

REFERENCES

Contact me for details.