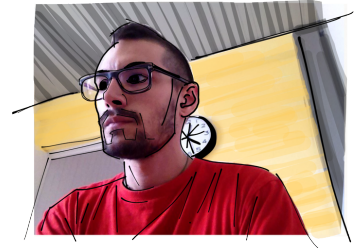


# Joan Massich

Research fellow

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🌐 massich  
📱 massich  
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Born 15 March 1984



*This is how I did it Anton. I never saved anything for the swim back. (Gattaca, 1997)*

## Education

Oct. 2009 – Dec. 2013

### PhD on Computer Vision

Universitat de Girona, Girona, Catalonia.

Université de Bourgogne, Le Creusot, France.

grade: Unanimity excellent with honors.

Sept. 2007 – June 2009

### Erasmus Mundus Master Course on Computer Vision and Robotics (VIBOT)

Heriot-Watt University, Edinburgh, Scotland.

Universitat de Girona, Girona, Catalonia.

Université de Bourgogne, Le Creusot, France.

Autonomous Robots, Fundamentals on Robotics, Visual Perception, Real-time Image Processing, Scene Segmentation and Interpretation, Software Engineering, Image processing, Digital Signal Processing, Data Mining and Machine Learning, Medical Imaging, Shape Recognition Statistics, Infrared Imagery, Image Analysis.

grade: 8.1 over 10

Sept. 2005 – Sept. 2007

### Computer Science Engineering,

Universitat de Girona, Girona, Catalonia

Software Engineering, Computer Networks, Compilers, Computer Architecture, Numeric Methods, Economy, Production Systems, Computer Vision, Statistics, User Interfaces, Security.

grade: 7.7 over 10

Sept. 2003 – Sept. 2005

### Technical Engineering in Computer Systems,

Universitat de Girona, Girona, Catalonia

Algorithms, Computer Architecture, Electronics, Digital Circuits, Database Systems, Computer Vision, Robotics, Software Engineering, Computer Networks, Operating Systems, Discrete Structures, Probability and Statistics, Digital Logic, Control Systems, VLSI Design, Artificial Intelligence.

grade: 6.9 over 10

## Master thesis

title *Title*

supervisors Supervisors

description Short thesis abstract

---

## Experience

### Vocational

- year–year **Job title**, *Employer*, City  
General description no longer than 1–2 lines.  
Detailed achievements:
  - Achievement 1;
  - Achievement 2, with sub-achievements:
    - Sub-achievement (a);
    - Sub-achievement (b), with sub-sub-achievements (don't do this!);
      - Sub-sub-achievement i;
      - Sub-sub-achievement ii;
      - Sub-sub-achievement iii;
    - Sub-achievement (c);
  - Achievement 3.

- year–year **Job title**, *Employer*, City  
Description line 1  
Description line 2

### Miscellaneous

- year–year **Job title**, *Employer*, City  
Description

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## Languages

- |            |                    |                |
|------------|--------------------|----------------|
| Language 1 | <b>Skill level</b> | <i>Comment</i> |
| Language 2 | <b>Skill level</b> | <i>Comment</i> |
| Language 3 | <b>Skill level</b> | <i>Comment</i> |

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## Computer skills

- |            |               |            |               |
|------------|---------------|------------|---------------|
| category 1 | XXX, YYY, ZZZ | category 4 | XXX, YYY, ZZZ |
| category 2 | XXX, YYY, ZZZ | category 5 | XXX, YYY, ZZZ |
| category 3 | XXX, YYY, ZZZ | category 6 | XXX, YYY, ZZZ |

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## Interests

- hobby 1 Description  
hobby 2 Description  
hobby 3 Description

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## Extra 1

- Item 1
- Item 2
- Item 3. This item is particularly long and therefore normally spans over several lines.  
Did you notice the indentation when the line wraps?

---

## Extra 2

- |          |                       |
|----------|-----------------------|
| ○ Item 1 | ○ Item 4              |
| ○ Item 2 | ○ Item 5 <b>book1</b> |

- Item 3
- Item 6. Like item 3 in the single column list before, this item is particularly long to wrap over several lines.

## References

### Category 1

- Person 1
- Person 2
- Person 3

### Category 2

- Amongst others:
- Person 1, and
  - Person 2
- (more upon request)

### All the rest & some more

*That* person, and **those** also (all available upon request).

## Publications

### Medical Image Analysis

2014

**Massich, Joan, Fabrice Meriaudeau, Melcior Sentís, Sergi Ganau, Elsa Pérez, Domenec Puig, Robert Martí, Arnau Oliver, and Joan Martí,** “SIFT Texture Description for Understanding Breast Ultrasound Images”. English. In: *Lecture Notes in Computer Science* vol. 8539. Ed. by Hiroshi Fujita, Takeshi Hara, and Chisako Muramatsu, pp. 681–688.

2013

**Massich, Joan,** “Deformable object segmentation in ultra-sound images”. PhD thesis. Girona (Catalunya): Universitat de Girona, Université de Bourgogne.

2012

**Massich, Joan, Fabrice Meriaudeau, Melció Santís, Sergi Ganau, Elsa Pérez, Robert Martí, Arnau Oliver, and Joan Martí,** “Automatic seed placement for breast lesion segmentation on US images”. English. In: *Lecture Notes in Computer Science* vol. 7361. Ed. by Andrew D. A. Maidment, Predrag R. Bakic, and Sara Gavenonis, pp. 308–315.

2011

**Martí, Joan, Gubern-Mérida, Joan Massich, Arnau Oliver, Joan C. Vilanova, Josep Comet, Elsa Pérez, Arzoz M, and Robert Martí,** “Ultrasound Image Analysis. Methods and Applications.” In: *Recent advances in biomedical signal processing*. Ed. by Juan Manuel Górriz, Elmar W Lang, and Javier Ramírez. Bentham Science Publishers, pp. 216–230.

2011

**Massich, Joan, Fabrice Meriaudeau, Elsa Pérez, Robert Martí, Arnau Oliver, and Joan Martí,** “Seed selection criteria for breast lesion segmentation in ultra-sound images”. In: *Proc. MICCAI 2011 Workshop on Breast Image Analysis*. Ed. by Christine Tanner, Julia Schnabel, Nico Karssenmeijer, Mads Nielsen, Maryellen Giger, and Dawid Hawkes, pp. 57–64.

2010

**Massich, Joan, Fabrice Meriaudeau, Elsa Pérez, Robert Martí, Arnau Oliver, and Joan Martí,** “Lesion Segmentation in Breast Sonography”. English. In: *Lecture Notes in Computer Science* vol. 6136. Ed. by Joan Martí, Arnau Oliver, Jordi Freixenet, and Robert Martí, pp. 39–45.

## Other Publications in Computer Vision and Robotics

2009

**Falcao, Gabriel, Natalia Hurtos, Joan Massich, and David Fofi**, Projector-camera calibration toolbox. *Comp. software. Le2i UMR CNRS 6306 - IUT Le Creusot, France*. URL: <http://code.google.com/p/procamcalib>

2008

**Falcao, Gabriel, Natalia Hurtos, and Joan Massich**, Plane-based calibration of a projector-camera system. *Research rep. Le Creusot, France: Shape Recognition Statistics course (EMMc VIBOT)*.

2006

**Hernández, Emili, Pere Ridao, Marc Carreras, David Ribas, Narcís Palomeras, Andrés El-fakdi, François Chung, Xavier Ribas, Guillermo García de Marina, Natalia Hurtós, Joan Massich, Antonio Almohaya, and Josep Vila**, "ICTINEU AUV, un Robot per a Competir". *Catalan. In: Artificial Intelligence Research and Development, Proceedings of the 9th International Conference of the ACIA, CCIA 2006. Ed. by Monique Polit, Thierry Talbert, Beatriz López, and Joaquim Meléndez*.

2006

**Ribas, David, Narcís Palomeras, Xavier Ribas, Guillermo García de Marina, Emili Hernández, François Chung, Natalia Hurtós, Joan Massich, Antonio Almohaya, Josep Vila, and Andrés El-fakdi**, ICTINEU AUV Takes the Challenge. *Research rep. Universitat de Girona Girona, Catalonia*

## Education

2014

**Ligusova, Jana, Nina Bencheva, Jean-Marc Thiriet, Gert Jervan, and Massich Joan**, "Reflections about the integration of global challenges into higher education future programs: application in the field of ICT security". *In: Proceedings of ITHET 2014. 13th International Conference on Information Technology Based Higher Education and Training*.

2012

**Cufí, Xevi, Miquel Villanueva, Andrés ElFakdi, Joan Massich, and Rafael Garcia**, "Team-based Building of a Remotely Operated Robot as a Method to Increase the Interest for Engineering among Secondary School Students". *In: Proceedings of EDULEARN 2012. 4th International Conference on Education and New Learning Technologies*.

2011

**Villanueva, Miquel, Xevi Cufí, Andrés ElFakdi, Joan Massich, and Rafael Garcia**, "Attracting talent to increase interest for engineering among secondary school students". *In: Global Engineering Education Conference (EDUCON), 2011 IEEE, pp. 347–353*.