

Antoine LETOUZEY
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30 years old
French citizenship



Computer science engineer. Computer vision and Image processing researcher

Work Experience

- 2015 – today **Postdoctoral Research Scientist** at **University Joseph Fourier**, Grenoble France.
· Develop a stereo-camera setup for laparoscopic surgeries.
- 2013 – 2014 **R&D Engineer** at **EPFL**, Lausanne Switzerland.
· Bridge the gap between physicists and computer scientists. Work on 3D reconstruction of nano-dislocations in materials from electron-microscope images.
- Aug. 2012 – Apr. 2013 **R&D Intern** at **Weta Digital**, Wellington New Zealand.
· Software development for real-time motion capture for animation in films.
· Worked closely with graphics artists to design and implement easy to use software tools that increased their productivity and quality of work.
- 2008 – 2012 **Research Engineer** in Computer Vision at **INRIA**, Grenoble France
· Concieved, implemented and published a novel approach for dynamic scene understanding using multi-camera setup: Shape learning, Scene Flow estimation.
· Participated in international conferences in computer vision : BMVC, VMV, CVPR.
- 2009 – 2012 **Teaching Assistant**, **University of Grenoble / INPG**, Grenoble France
· Course instructor in computer graphics for grad student.
- Jan. – June 2008 **Research Assistant** in Image Processing at **IRIT**, Toulouse France
· Concieved and implemented a novel plane detection and segmentation method.
- 2002 – ... **Personal Projects**, created many video games and applications for various platforms, including PC, Sony Playstation Portable and Android devices.

Education

- 2012 **PhD. in Computer Science**, **University of Grenoble / INRIA**, Grenoble France
· Topic : 4D modelling from multiple cameras. Under the supervision of Edmond Boyer.
- 2008 **MSc. in Computer Science**, **Paul Sabatier University**, Toulouse, France
· Computer Vision and Image Processing
- 2006 **BSc. in Computer Science**, **University of Angers**, France

Main Skills

- Programming** · C/C++, Python, Matlab, Lua, Bash, Java, Ruby.
- OS** · Unix/Linux, Mac OS, Windows.
- CS Topics** · Computer Vision, Image Processing, Numerical Optimization, Signal Processing.
- Other** · L^AT_EX, Open Office.

Additional Informations

- **Spoken languages:** French (mother language), English (fluent, scientific papers redaction, worked 8 months in New Zealand).
- **Interests:** Video game programming, Robotics, *Do It Yourself*
- **Sports:** Rock Climbing, Back Country Skiing, Hiking.