

Yvain QUÉAU

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Date of birth: 13 novembre 1988

(24 year old)

Nationality: french

Marital status: Single

Licensed to drive a motor vehicle

## Formation

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- 2012 - 2015** IRIT (INSTITUT DE RECHERCHE EN INFORMATIQUE DE TOULOUSE), Toulouse.  
Thesis in Computer Science.
- 2011 - 2012** UPS (UNIVERSITÉ PAUL SABATIER), Toulouse.  
Master “Information search and Database”.  
▷ *Analysing, Coding and Indexing videos* ▷ *Computer Vision* ▷ *Image Synthesis and Geometric Modeling*
- 2009 - 2012** ENSEEIHT (ÉCOLE NATIONALE SUPÉRIEURE D’ÉLECTROTECHNIQUE, D’ÉLECTRONIQUE, D’INFORMATIQUE, D’HYDRAULIQUE ET DE TÉLÉCOMMUNICATIONS), Departement of Computer Science and Applied Mathematics, Toulouse.  
Third year Multimedia.  
▷ *Image processing* ▷ *Grid-computing*  
Second year Mathematics.  
▷ *ODE,PDE* ▷ *Optimization* ▷ *Optimal Control* ▷ *Machine Learning* ▷ *Integration*
- 2006 – 2009** LYCÉE DE KERICHEN, Brest, France.  
Classes preparing for entrance examinations to the French Grandes Ecoles.
- 2006** LYCÉE SAINTE-ANNE, Brest, France.  
High School Diploma (with honours).

## Work Experience

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- 2012-2015** IRIT, Toulouse.  
(3 years)  
Thesis : Photometric Stereo using Analysis by Synthesis. Thesis supervised by Jean-Denis Durou (IRIT, team VORTEX).  
▷ *Research*
- 2012-2013** ENSEEIHT, Toulouse.  
(1 year)  
Teaching Assistant.  
▷ *Programming for Android* ▷ *Probabilities - Statistics* ▷ *Distributed Systems and Applications*
- 2012** IRIT, DIKU, Toulouse, Copenhagen (Denmark).  
(6 months)  
Master thesis : 3D-reconstruction by Uncalibrated Photometric Stereo. Intership co-supervised by Jean-Denis Durou (IRIT) and François Lauze (DIKU).  
▷ *3D-reconstruction* ▷ *Photometric Stereo* ▷ *Computer Vision* ▷ *Variational Methods*
- 2012** IRIT, Toulouse.  
(3 months)  
School Project : 3D-reconstruction of buildings using analysis by synthesis and Graph-Cuts. Client : Xavier Descombes (INRIA - Sophia Antipolis).  
▷ *3D-reconstruction* ▷ *Computer Vision* ▷ *Graph-Cuts* ▷ *C++, OpenGL*
- 2011** IRIT, Toulouse, France.  
(3 months)  
Research internship in the Vortex team, supervised by Vincent Charvillat and Jean-Denis Durou. Photometric Stereo by Learning, with differentiation between cast-shadows and self-shadows.  
Internship led to an article acceptance for the RFIA 2012 conference (Lyon, France).  
▷ *Photometric Stereo* ▷ *Machine Learning Techniques* ▷ *Principle Components Analysis*  
▷ *Programming in C, OpenGL*
- 2008-2011** Home mathematics teacher for high-school pupils.

**2010** QUÉAU-L'HÉNAFF'S SURVERYORS, Saint-Renan, France.  
(2 months) Web development and positionning.  
**2005-2009** Summer jobs in tomato warehouses.

## Special skills

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English : Good skills, both written and oral. Score 905/990 at [TOEIC](#) in June 2011.  
Spanish : Good skills.  
Arabic notions.  
  
Programming : C/C++, Fortran, Java, CamL....  
Web : HTML/CSS, Javascript, JEE, Cloud Computing.  
Misc : Familiar with Matlab, Eclipse, OpenOffice and Latex.

## Miscellaneous

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- Member of the “Faut qu’ça Braille” association, which organized two festivals for blind pupils in Marrakech.
- Music player (classical piano, didgeridoo, Jew’s harp).
- Sports : hiking, windsurfing and skateboarding.