

# Jacques KAISER

## Resumé

Kloserstr. 38,  
Karlsruhe 76137  
Germany

+49 721 9654-392

✉ jkaiser@fzi.de

🌐 www.jacqueskaiser.com

French



## Education

- 2015–Present **PhD candidate**, *Human Brain Project*, Karlsruhe.  
Learning action from event-based vision with spiking neural networks.
- 2014–2015 **Master 2 MoSIG** (Grade of 14.789/20), *ENSIMAG & IM2AG*, Grenoble, France.  
Graphics, Vision and Robotics.
- 2012–2013 **Master 1**, *Strasbourg University*, France.  
Computer science and science of images.
- 2009–2012 **BSc. Computer Science** (Grade of 14.9/20), *Strasbourg University*, France.  
3<sup>rd</sup> year Erasmus in **Durham University**, England.
- 2009 **Baccalauréat** (Grade of 13,73/20), *Lycée Kleber*, Strasbourg, France.

## Vocational Experience

- Aug.–Present **Research Assistant**, *FZI Forschungszentrum Informatik*, Karlsruhe, ISPE.  
2015 Involved in various projects for vision, web and robotics components.
- Feb.–July **Master Thesis in Sensor Fusion**, *INRIA*, Grenoble, e-Motion.  
2015 Evaluation of a closed-form solution solving the visual-inertial structure from motion problem.
- Feb.–July **Full-Stack Web Developer**, *Shwish*, Melbourne, Australia.  
2014 Shwish was a collaborative gifting platform. Within a core team of two developers, we built the platform from scratch using the MEAN stack: MongoDB, Expressjs, Angularjs, Nodejs.
- June–Oct. **JavaScript/WebGL Developer**, *Skimlab*, Strasbourg, skimlab.com.  
2013 Skimlab provides an online 3D modeling tool based on implicit surfaces for 3D printing. Working on the rendering pipeline, I developed shaders for environment mapping, point cloud rendering, raytracing.
- 2012–2013 **Individual tutor in mathematics for high school students**, *Complétude*.
- June–Aug. **Research intern in Computer Graphics**, *iCube*, Strasbourg, IGG.  
2012 Development of an application for deforming mesh on a virtual reality platform.
- June–Aug. **Research intern in Computer Graphics**, *iCube*, Strasbourg, IGG.  
2011 Interactive 3D cursor to ease the perception of depth in virtual reality applications.

## Languages

**French** Mother tongue  
**English** Fluent  
**German** B2

*Born in Strasbourg*  
*Lived in England and Australia*  
*Currently learning*

## Extracurricular activities

|                       |   |                       |  |
|-----------------------|---|-----------------------|--|
| <b>Juggling</b>       | Coordination  | <b>Slacklining</b>    | Balance and focus  |
| <b>Ultimate</b>       | Team play   | <b>Woofing</b>        | Travel and discover new cultures                                 |
| <b>Ukulele</b>        | Easy access to the music world  | <b>Dancing</b>        | Improved leading skills  |
| <b>Rollerskating</b>  | Founding member of the Association Des Sports Extrêmes De Vendenheim (ASEV) | <b>Volunteering</b>   | Volunteer at the RACV Great Victorian Bike Ride 2013, Australia  |
| <b>Public Science</b> | Presented Spiking Neural Networks in public at Karlsruhe AI meetup group    | <b>Public Science</b> | Presented Neurorobotics in public at Pint of Science, Strasbourg |