Jacques KAISER

Resumé

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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. 3rd year Erasmus in **Durham University**, England.
2009	**Baccalauréat** (Grade of 13,73/20), *Lycée Kleber*, Strasbourg, France.

Vocational Experience

Aug.–Present 2015	**Research Assistant**, *FZI Forschungszentrum Informatik*, Karlsruhe, ISPE. Involved in various projects for vision, web and robotics components.
Feb.–July 2015	**Master Thesis in Sensor Fusion**, *INRIA*, Grenoble, e-Motion. Evaluation of a closed-form solution solving the visual-inertial structure from motion problem.
Feb.–July 2014	**Full-Stack Web Developer**, *Shwish*, Melbourne, Australia. 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. 2013	**JavaScript/WebGL Developer**, *Skimlab*, Strasbourg, skimlab.com. 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. 2012	**Research intern in Computer Graphics**, *iCube*, Strasbourg, IGG. Development of an application for deforming mesh on a virtual reality platform.
June–Aug. 2011	**Research intern in Computer Graphics**, *iCube*, Strasbourg, IGG. Interactive 3D cursor to ease the perception of depth in virtual reality applications.

Languages

French	Mother tongue	*Born in Strasbourg*
English	Fluent	*Lived in England and Australia*
German	B2	*Currently learning*

Extracurricular activities

Juggling Coordination

Ultimate Team play

Ukulele Easy access to the music world

Rollerskating Founding member of the
Association Des Sports Extrêmes
De Vendenheim (ASEV)

**Public
Science** Presented
Spiking Neural Networks
at Karlsruhe AI Meetup Group

Slacklining Balance and focus

Woofing Travel and discover new cultures

Dancing Improved leading skills

Volunteering Volunteer at the RACV
Great Victorian Bike Ride 2013,
Australia

**Public
Science** Presented
Neurorobotics
at Pint of Science, Strasbourg