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 with Honors**, *ENSIMAG & IM2AG*, Grenoble, France. Graphics, Vision and Robotics.
2012–2013	**Master 1 with Honors**, *Strasbourg University*, France. Computer science and science of images.
2009–2012	**BSc. Computer Science with Honors**, *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	B1	*Currently learning*