Jacques KAISER

Resumé

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French, 29 years old

Education

Summer 2018	**Research Visit**, *University of California, Irvine (UCI)*, United States of America. Three months visit to Prof. Emre Neftci funded by FITweltweit DAAD travel grant.
2015–2020	**PhD student**, *Karlsruher Institut für Technologie (KIT)*, Germany. Synaptic Learning for Neuromorphic Vision funded by the Human Brain Project.
2014–2015	**Master 2**, *Université Grenoble Alpes*, France. International MoSIG degree in Graphics, Vision and Robotics.
2012–2013	**Master 1**, *Université de Strasbourg*, France. Computer science and science of images.
2009–2012	**BSc. Computer Science**, *Université de Strasbourg*, France. 3rd year Erasmus in **Durham University**, England.

Vocational Experience

2015–Present	**Research Scientist**, *FZI Forschungszentrum Informatik*, Karlsruhe, ISPE. Developing robot behaviors, vision algorithms and web interfaces for various projects.
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. Development of an online gifting platform from scratch using the MEAN stack.
June–Oct. 2013	**JavaScript/WebGL Developer**, *Skimlab*, Strasbourg, skimlab.com. Development of WebGL shaders for environment mapping and 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	*Handle day-to-day conversation*

Technical Skills

- Python
- Javascript
- PyTorch
- Linux
- C++
- Angularjs
- ROS
- OpenCV

Extracurricular Activities

Juggling Coordination **Snowboard** Creative risk-taking

WWOOFing Travel and discover new cultures **Ukulele** Easy access to the music world

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

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

OpenScience
- Presented Spiking Neural Networks at Karlsruhe AI Meetup Group 2017.
- Presented Neurorobotics at Pint of Science 2018, Strasbourg.
- Finalist of Prologin 2011, French national computer science competition.