

Jacques KAISER

Resumé

Karlsruhe, Germany
☎ +49 721 9654-392
✉ jkaiser@fzi.de
🌐 www.jacqueskaiser.com
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
English Fluent
German B2

Born in Strasbourg
Lived in England and Australia
Handle day-to-day conversation

Technical Skills

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

Extracurricular Activities

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|----------------------|--|------------------|--------------------------------|
| Juggling | Coordination | Snowboard | Creative risk-taking |
| Woofing | 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 | <ul style="list-style-type: none">○ 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. | | |