JOAQUÍN 'KELLER' GONZÁLEZ

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WORK HISTORY

Universidad Central de Venezuela Jan. 2025 - ... — *Visiting Professor*

Facultad de Ciencias - Escuela de Computación
- Talks on Quantum Computing
- Quantum Machine Learning Workshop

Orange Labs Nov. 2022 - ... — *Senior Scientist - Team Leader*
- Launch a quantum machine learning research program
- Assemble a research team for QML
- Supervision of students (postdocs, interns), academic publications, software development, patents

exaQ.ai Jan. 2021 - ... — *Founder, CTO*
- Machine learning with quantum computers
- NISQ algorithms and software tools

Entropica Labs 2018-2021, Singapore — *Co-Founder, Head of Quantum Machine Learning*
- Quantum computing algorithms, peer-reviewed publications
- Software tools for quantum computing
- Raised $2M

Orange Labs 2009-2017 — *Senior Researcher - Team Leader*
- Research program on augmented and virtual reality – Team Leader
- Supervision of PhD students, academic publications, software development, patents

Centre de Recherche Interdisciplinaire - Université Paris-Descartes 2009-2011 — *Teaching*
- Cofounder of Master's Program *Approches Interdisciplinaires du Web*
- Organization of an interdisciplinary conference cycle at *La Cantine*
- Multidisciplinary Teaching: Sociology, Biology, Computer Sciences, Mathematics, Philosophy, Economics

Twinverse 2007-2009 — *Co-Founder, CTO*
- Distributed computational geometry algorithms
- Virtual worlds and location based advertising

France Telecom R&D 1993-2007 — *Senior Researcher - Team Leader*
- Research program on massively distributed systems – Team Leader
- Supervision of PhD students, academic publications, patents
- Leading a software development team (Solipsis: a peer-to-peer virtual world)

EDIAT Software Company 1991-1993 — *Senior Developer in Artificial Intelligence*
- Automatic recognition of handwritten digits
- Expert System for the analysis of risks in chemical plants

Université Paris-Saclay 1989-1990 — *Teaching in Computer Science*
- Courses: algorithms, C, Unix (Undergraduate Level)

EDUCATION

Université de Versailles ● PhD in Computer Science (specialty Distributed Algorithms), 2000

Université Denis Diderot ● DEA Logique Mathématique, M.Sc. in Theoretical Computer Science, 1990

Université Pierre et Marie Curie ● Maîtrise de Mathématiques, 1989

DEV

Python, js/html/css, React Native, C#, Go, Rust, C
Distributed systems, Fullstack, HPC, AR/VR

MISCELLANEOUS

Spanish, French: Bilingual — Kréol Rényoné, English: Fluent — Mandarin: Learning (HSK3 level)
Sports: Rock Climbing: level YDS 5.11c / F7a
Digital Art :
- *Tessella*, with Cybunk, OFFF Festival, Paris 2010
- *The Digital Street Corner*, with Fred Forest, Art Basel, Miami Beach 2005

SELECTED PUBLICATIONS, ARTICLES, TALKS

- W. Cappelletti, R. Erbanni, J. Keller, *Polyadic Quantum Classifier*, IEEE QCE'2020
- J. Keller, *Quantum Machine Learning Experiments*, talk at IBM Supercomputing Singapore Forum 2020
- J. Campredon, R. Diaconu, E. Triponez, J. Keller, *HybridEarth: Mixed Reality at Planet Scale*, CCNC'14
- F. Pianese, J. Keller, E. W. Biersack, *PULSE, a Flexible P2P Live Streaming System*, INFOCOM 2006
- F. Dang Ngoc, J. Keller, G. Simon, *MAAY: A Decentralized Personalized Search Engine*, SAINT 2006
- Article about Solipsis by John Borland, *A virtual world with peer-to-peer style*, CNET.com 2005
- Interview by Will Knight, *Gamers to rule their own virtual worlds*, New Scientist 2005
- J. Keller, G. Simon, *Toward a Peer-to-Peer Shared Virtual Reality*, ICDCS 2002