

Jose Antonio Olivera Ortega

Leading Software Engineer
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EXPERIENCE

VONAGE | <https://vonage.com>

Jan 2019 - Present | Madrid, Spain

Role: Staff Software Engineer, Architect, Technical Squad Leader. **What I am doing:** Contributing to the Vonage Video API Client SDK codebase, the Vonage WebRTC library and other ML-powered media processing libraries. **Keywords:** Android, iOS, desktop (macOS, Linux, Windows), WebRTC native APIs, Machine Learning.

TELEFONICA | TokBox, Inc. | <https://tokbox.com>

Jul 2015 - Jan 2019 | Madrid, Spain

Role: Staff Software Engineer. **What I did:** Contributed to the OpenTok native codebase. **Keywords:** Android, iOS, desktop (macOS, Linux, Windows), WebRTC native APIs.

TELEFONICA | Open Web Technologies | <http://tid.es>

Nov 2009 - Jul 2015 | Madrid, Spain

Role: Technological Expert. **What I did:** Contributed to Firefox OS. Hacking on the Mozilla platform (AKA Gecko) and on several Firefox OS apps. **Keywords:** C++, XPCOM, GSM Supplementary Services, WebRTC, Service Workers, Javascript, OMA CP.

TELEFONICA | Networked Vehicles | <http://tid.es>

Nov 2009 - Jun 2007 | Madrid, Spain

Role: Software Engineer. **What I did:** Linux kernel hacking. Built a kernel module which implemented a simple handover mechanism for transparent, always-on V2V communications. **Keywords:** Embedded Systems, Linux Kernel, Netfilter, RFC 2003, C, VANETs, 3G, Intelligent Transportation Systems (ITS).

TECNOBIT | <http://www.tecnobit.es>

Sept 2003 - Jan 2004 | Valdepeñas (Ciudad Real), Spain

Role: Software Engineering Intern. **What I did:** Hacked on several QA tools and on a new information system for the quality assurance department. **Keywords:** Java, MySQL, ERP.

RESEARCH

ARCO GROUP | <https://arcoresearch.com>

Jan 2004 - Jun 2007 | University of Castille-La Mancha, Ciudad Real, Spain

Role: Researcher. **What I did:** Building a prototype for multimedia data broadcasting in MANETs. **Keywords:** Embedded Systems, C++, ZeroC ICE, Zeroconf, MANETs, Ambient Intelligence.

PUBLICATIONS

- [1] J. A. Olivera et al. Multimedia data transmission in manets for intelligent environments. *International Symposium on Ubiquitous Computing and Ambient Intelligence*, 2007.
- [2] J. A. Olivera et al. Vanba: a simple handover mechanism for transparent, always-on v2v communications. *Proc. IEEE 69th Vehicular Technology Conference (VTC2009-Spring)*, 2009.

SKILLS

PROGRAMMING

Proficiency

C • C++

Familiarity

Java • Objective C • C#

Javascript • Python

WORKED/PLAYED WITH

WebRTC

Android • iOS • Firefox OS

Gecko (Firefox) • Chromium

Mediapipe • TensorFlow Lite

Linux Kernel • Netfilter

MANETs • VANETs

ZeroC ICE

PERSONAL SKILLS

Easy going • Team player

Proactive personality • Avid learner

INTERESTS

WebRTC, Mobile

Web APIs, Machine Learning

IoT, M2M

VANETs, MANETs

Open Source Software Engineering

Distributed Systems

EDUCATION

UNIVERSITY OF CASTILLE-LA MANCHA

MS in Computer Science (student)

Ongoing | Ciudad Real, Spain

School of Computer Science

UNIVERSITY OF CASTILLE-LA MANCHA

BS in Computer Science

Sept 2006 | Ciudad Real, Spain

School of Computer Science

LINKS

Github:// [jaoo](#)

LinkedIn:// [jaoo](#)s