Joaquim Bellmunt Montoya, Ph.D.

Technological innovations that allows the interoperability between agents and the better context understanding. NLP, Knowledge Graph, Open Linked Data and Internet of Things.

📍 Singapore
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WORK EXPERIENCE

ACCENTURE PTE., *NLP & Knowledge Graph SME* Feb 2018 - Present

I Joined Accenture after the Ph.D. defense to develop the Knowledge Graph Practice and provide to client the best cloud experience in the data management. Also involved in NLP projects to ensure the high standards quality and interoperability Knowledge Graph, Deep NLP, Semantic Web, Open Linked Data, Graph Analytics.

Highlighted Projects

Technical Lead Chatbot Changi Airport Multi Client Chatbot with Cloud Based Dialog API.
Lead of Knowledge Graph Rapid Prototyping Enabling Multi Language pipelines to transform and consume Relational Database into KG distributions.
Data Architect in Big Data Cloud Data Lake Modeling and creating the taxonomy associated to heterogeneous data. Building real-time conversion of the data. Building and Training Graph models to Knowledge Discovery. Providing API services to allow end users to extract and consume Graph Data.

PIXIUM DIGITAL PTE LTD., *Artificial Intelligence Consultant* Feb 2016 - Feb 2018

Pixium Digital was founded in 2015 by Digital market experts and experienced developers with the goal of providing everyone with a customised digital solution: Mobile Development, Data Science, IoT, ML and Knowledge Aggregation.

IMAGE AND PERVASIVE ACCESS LAB (CNRS UMI), *Research Assistant* Jul 2014 - Nov 2017

Ph.D. Student attachment. focusing on Semantic Reasoning, Data Mining, Human Condition Computation and Context-Aware Service Delivery in Ambient Assisted Living deployments for Ageing in Place. **Ambient Assisted Living Framework presentation:** UBISmart v4.0

Highlighted Project

City4Age and Pulse (HORIZON 2020) System Architect and Technical Project Manager in 2 Pilot sites (Singapore and Montpellier) in a European project focusing on the use of IoT technologies to help frail elderly to live with independence and safety.

SKILLS

🌐 🇪🇸 Native Speaker; 🏴 Native Speaker; 🇫🇷 Bilingual; 🇬🇧 Full Competence

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- **Cloud Technology:** GCP; AWS; Watson; Azure; Datastax.
- **ML/DL:** TensorFlow; Keras; NLTK; TensorBoard; PyTorch.
- **KG/Semantic Web:** RDF/OWL; N3; LOD; Python and NodeJs wrappers; Property Graph; TinkerPop; Cypher.
- **Data Management:** RDF Triples; MySQL; Postgresql; MySQL; MongoDB.
- **Coding:** JavaScript; Java; Python; N3; Bash; R; Git.

🤸 Sportive, specially Football, and Barça fan. Cinema, traveling, driving.

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- Founder and Manager of two football teams in Singapore regrouping European people.

- Board member of Telecogresca in 2011 and 2012. Telecogresca is a student association, which organizes a music festival hosting every year more than 10.000 people. Former Vice-President of the sports student association at TelecomBCN, CET, which organizes every semester different sportive competitions, such as Football, Basketball or Volleyball.

EDUCATION

PH.D. IN COMPUTER SCIENCE
Institut Mines-Télécom, University of Montpelier (CNRS UMI), France
3 years Ph.D. Program in Computer Science.

Jul 2014 - Nov 2017

MSC. IN TELECOMMUNICATIONS ENGINEERING
ENS Telecom Bretagne, Brest, France
Double Master Degree program with TelecomBCN.

Feb 2012 - Sep 2013

BSC AND MSC. IN TELECOMMUNICATIONS ENGINEERING
TelecomBCN (ETSETB, UPC Barcelona Tech), Spain
Modules in Probability & Statistics, Data & Signal Processing, Telematics, Communications, *etc*.

Sep 2005 - Jan 2012

SELECTED PUBLICATIONS

- Kodys, M., Oliver, P., **Bellmunt, J.**, Aloulou, H., Kaddachi, F. & Mokhtari, M. Smart Mobility in Urban Assisted Living Environments. In *Information Integration and Web-based Applications & Services* ACM, 2017.
- Kodys, M., **Bellmunt, J.**, Aloulou, H. & Mokhtari, M. Oh, wait, reasoning was wrong! Let's replay. In *Semantic Web Technologies for the Internet of Things*, 2017.
- Sadek, I., **Bellmunt, J.**, Kodyš, M. & Mokhtari, M. Novel Unobtrusive Approach for Sleep Monitoring Using Fiber Optics in an Ambient Assisted Living Platform. In *ICOST*. Springer, 2017.
- **Bellmunt, J.**, Mokhtari, M., Abdulrazak, B. & Aloulou, H. Agile Framework for Rapid Deployment in Ambient Assisted Living Environments. In *Information Integration and Web-based Applications and Services*. ACM, 2016.
- **Bellmunt, J.**, Mokhtari, M., Abdulrazak, B., Aloulou, H. & Kodys, M. Experimental Frailty Model Towards an Adaptable Service Delivery for Aging People. In *Engineering of Complex Computer Systems (ICECCS)*.IEEE, 2016.
- More publications in my Google Scholar profile

COURSES & AWARDS

Courses
- Google Cloud Platform Big Data and Machine Learning Fundamentals, 2017 (Coursera)
- Semantic Web Summer School, 2015 (SWSS)
- Machine Learning, 2014 (Coursera)
- OpenHPI, Semantic Web Technologies, 2013 (OpenHPI)

Awards

IOT HACKATHON, *I^2R/A*STAR - ETPL - SIAA*
First Runner Up at IoT Hackathon organized by I^2R/A*STAR - ETPL - SIAA

Apr 2015