

# Carlos Ramos

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## Education

- **Msc. Computer Science**  
University of Tartu (2019 - 2021)
- **Bs. Computer Science**  
Universidad Peruana de Ciencias Aplicadas (2012 - 2017)

## Professional experience

- **Software Engineer as Freelance** (February 2018 - August 2019)  
Design, develop, and maintain cloud-based applications. Build the infrastructure and supervise the software lifecycle of different private projects.
- **Software Engineer at DoApps SAC** (February 2015 - January 2018)  
Develop and maintain web-based software at large scale.

## Research experience

- **Data Systems Group at the University of Tartu** (July 2020 - Present)
  - **SparkSQL RDF Benchmark:** Infrastructure setup, benchmark and analysis of a big data research project.
  - **X-Road:** Design and implementation of an asynchronous communication prototype for the Nordic Institute for Interoperability Solutions.
- **SummaryChat** (June 2017 - December 2017)  
Bachelor thesis project about automatic text summarization using Deep Neural Networks.

## Teaching experience

- **Teaching Assistant** — Data Structures and Algorithms (*April 2014 - July 2014*)

## Honors

- **Lima Smart City Hackathon 2015 Team winner** — Mobile app for events and matching
- **Best Undergraduate IT Student 2013** — University mention

## Publications

- **An In-depth Comparison of Large-scale RDF Relational Schema Optimizations Using Spark-SQL.** Mohamed Ragab, Riccardo Tommasini, Feras Awaysheh and Juan Carlos Ramos. DOLAP 2021
- **Automatic Summarization using Recurrent Neural Networks using herarchical LSTM** — Juan Carlos Ramos Martinez and Hugo Calderón. ICPRAM 2017