

JUAN CARLOS RAMOS

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RESEARCH INTERESTS

Distributed Computing, Computer Networks, Computer Graphics, Data Visualization, Machine Learning

EDUCATION

University of Tartu

MSc in Computer Science

August 2019 - August 2021

Universidad Peruana de Ciencias Aplicadas

BS in Computer Science

March 2012 - December 2017

TECHNICAL STRENGTHS

Computer Languages

C/C++, Rust, JavaScript, Python, Java, Scheme, Shell Script

Software & Tools

Docker, Kubernetes, NodeJS, React, Tensorflow, Vulkan

PostgreSQL, Redis, MongoDB, Hadoop, Spark, AWS, Terraform

PROJECT EXPERIENCE

SummaryChat

Undergraduate Research

March 2017 - December 2017

- Design and implementation of a Deep Learning model to achieve best performance on the task of automatic text summarization
- Publishing of a research paper titled "Automatic Summarization using Recurrent Neural Networks using herarchical LSTM for automatic summarization"
- Architecture and implementation of an infrastructure for a chatbot application and its inference model using the technologies Kubernetes, Tensorflow, Heroku, AWS, Google Cloud and Facebook Messenger API
- Achieve of a Certificate of Software Quality ISO 9126 held by University
- Usage of Scrum through the lifetime of the project

Genesis

Automation Software for agile projects for the company DoApps

June 2016 - December 2017

- Work in a team of 5 people for an effective brainstorming of ideas and features needed for a software that can help in the automation of every aspect in a new project, aiming the fastest release of a new product inside a software factory
- Design and implementation of every technical aspect of the Web-based application
- Implementation of environments for a pleasant development in the project. Set up of Development, Test and Production environments
- Documentation and strictly testing of critical features to guarantee its maintenance and continuity
- CI/CD on the cloud

POSITION OF RESPONSIBILITY

Independent

January 2018 - August 2019

Freelance and independent research

Independent Research in the fields of Distributed Computing, Blockchain, and Computer Graphics

DoApps

July 2016 - December 2017

Backend/DevOps Engineer

Coordination with large teams to train in Computer Science and JavaScript

Responsible for development of large scale applications taking in mind scalability, maintenance, high availability and security. Technologies used were mainly MongoDB, MySQL, Redis, Go, NodeJS, JavaScript, React, Linux, Docker, AWS

- Responsible for development of web services, real time features, front-end SPA applications, encryption, graph-based features
- Responsible for follow CI/CD principles and setting up needed environments for its automation through pipelines in every project using technologies such Jenkins, Docker, and Terraform
- Work in teams with multidisciplinary people
- Responsible for documentation of code, Web Services, and libraries internally developed

DoApps

January 2015 - June 2016

Internship Practitioner

Analysis and design the requirements of a new software (Mobile and Web)

Development of functional and non functional requirements of a new software in technologies such as NodeJS, Javascript, Linux, CSS, HTML, JQuery, Digital Ocean and AWS

- Organization of teams and groups of work
- Organization and help towards the plan and the duration of a project
- Lead 2 teams of hackatons in which we end up being in the first three places
- Promote and encourage the usage of new trendy tech to speed up the cycle of software development

EXTRA-CURRICULAR

Languages

- Spanish
- English
- Estonian (Level A)

Miscellaneous

- Music composition
- Data visualization
- Maths
- Writing