



# FRANCISCO PINTO SANTOS

Technical Team Lead & Junior Software architect at BISITE | PhD Student | Lecturer

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## INTERESTS

Backend developement

Web scraping

Software engeieering

Continuous Integration

Code Generation

## SKILLS

Node.js

Express.js

Vue.js

TypeScript

SQL DB

NoSQL DB

Python

Apache Kafka

Flask

Git

AWS

GitHub Actions

Docker

## LANGUAGES

Spanish: **Native**

English: **Full professional competence**

## ABOUT ME

My background includes a Master's Degree in Software Engineering obtained at the University of Salamanca (2022), where I graduated with the highest grades and obtained first place in the promotion, as well as receiving two degree awards. I also have a Master's Degree in Smart Cities & Intelligent Buildings (2022) and a Bachelor's Degree in Computer Engineering (2020) from the University of Salamanca, where I also ranked first in the promotion and received two degree awards, as well as the SEDEA award for the best graduates at national level in the area of engineering. Currently, I work as an architect and team leader in the BISITE Research Group, and I enrich my work experience with my teaching work as a lecturer at the Pontifical University of Salamanca (UPSA), and as a freelance lecturer at the University of Salamanca (USAL) and the Society for Economic Promotion of Gran Canaria (SPEGC). My interests include the development of full-stack web applications, the area of data-science, the creation of efficient data-driven architectures and the automation of code generation.

## EXPERIENCE

### Technical Team Lead & Junior Software architect | BISITE Research Group

📅 01/2023 – present

📍 Salamanca, Spain

- Coordination of planning, design and development of R&D projects within a development team (10–15 people).
- Design, coordination, and maintenance of multiple systems as main Software architect & Cloud architect.
- Code-generation system design and implementation for agile project development.
- API REST analysis and design responsible.
- Design of web scrapers and web crawlers.

### Senior full-stack developer & Team lead | BISITE Research Group

📅 01/2022 – 01/2023

📍 Salamanca, Spain

- Coordination of planning, design and development of R&D projects within a small team (5-10 people).
- Code-generation system design and implementation for agile project development.
- Design and implementation of a human resources management application for the company.
- API rest development Python Flask-restx.
- Development of web scrapers and web crawlers.
- Web applications development with Vue.js, Node.js, Express.js and TypeScript.
- Design and development of ETL systems via Apache Kafka.
- Implementation of continuous integration systems with GitHub Actions.

### Senior full-stack developer & Team lead assistant | BISITE Research Group

📅 09/2020 – 12/2021

📍 Salamanca, Spain

- Assistant in the coordination of planning, design and development of R&D projects.
- Complete development of the deepint Python package.
- API rest development Python Flask-restx.
- Development of web scrapers and web crawlers.
- Web applications development with Vue.js, Node.js, Express.js and TypeScript.

- Design and development of ETL systems via Apache Kafka.
- Implementation of continuous integration systems with GitHub Actions.

#### Full-stack developer | [BISITE Research Group](#)

📅 06/2019 – 09/2020

📍 Salamanca, Spain

- Development of web scrapers and web crawlers.
- API rest Development in Java Spring Boot and Python Flask-restx.
- Web applications development with Vue.js, Node.js, Express.js and TypeScript.
- Design and development of ETL systems via Apache Kafka.
- Implementation of continuous integration systems with GitHub Actions.

#### Intern student during summer | [BISITE Research Group](#)

📅 06/2018 – 09/2018

📍 Salamanca, Spain

- API rest Development in Java Spring Boot.
- Web development with Vue.js and Webpack.
- Development of web scrapers and web crawlers.
- Design and development of ETL systems via Apache Kafka.

#### Intern student during summer | [BISITE Research Group](#)

📅 06/2017 – 09/2017

📍 Salamanca, Spain

- API rest Development in Java EE and Java Spring Boot.
- Web development with Vue.js and Webpack.

## LECTURER EXPERIENCE

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#### Lecturer at Master of Smart Cities | [University of Salamanca](#)

📅 01/2023 – present

📍 Salamanca, España

- Teaching in the area of Smart Cities Asset Management.

#### Lecturer | [Society for the Economic Promotion of Gran Canaria \(SPEGC\)](#)

📅 08/2022 – 12/2022

📍 Salamanca, Spain

- Teaching in the subjects of introduction to artificial intelligence, Convolutional Neural Networks and Recurrent Neural Networks.

#### Lecturer | [Pontifical University of Salamanca](#)

📅 02/2022 – 11/2022

📍 Salamanca, Spain

- Teaching in the subjects of database systems management, computer science fundamentals I and II.

#### Lecturer at Master of Internet of the Things | [University of Salamanca](#)

📅 01/2021 – present

📍 Salamanca, España

- Teaching in the area of IoT architectures and introduction to artificial intelligence.

## EDUCATION

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#### Ph.D. in Computer Science | [University of Salamanca](#)

📅 10/2022 – Present

📍 Salamanca, Spain

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#### M.Sc. in Smart Cities & Intelligent buildings | [University of Salamanca](#)

📅 09/2021 – 09/2022

📍 Salamanca, Spain

- GPA: 9.04

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#### M.Sc. in software engineering | [University of Salamanca](#)


📅 09/2020 – 09/2022

📍 Salamanca, Spain

- GPA: 9.57
- Beneficiary of the academic excellence scholarship from the University of Salamanca.
- 6 calcifications with honors, including the master's thesis.
- Graduated as first of the promotion 2020-2022 with double end of studies award, granted by the University of Salamanca and the Faculty of Sciences of the same university.

## B.Sc. in computer science | [University of Salamanca](#)

 09/2016 – 07/2020

 Salamanca, Spain

- GPA: 9.55
- Graduated as first of the promotion 2016-2020 with double end of studies award, granted by the University of Salamanca and the Faculty of Sciences of the same university.
- 25 calcifications with honors, including the bachelor's thesis.
- Beneficiary of the scholarship for collaboration with department for the 2019-2020 academic course.
- Award to the third-best academic record of the 2016-2020 promotion at national level in the field of engineering by SEDEA.
- Student representation activities for three years.

## ACHIEVEMENTS

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**Award for the best academic record of the 2020-2022 promotion of the M.Sc. in Computer Science of the University of Salamanca.**

01/2023 | Salamanca, Spain



**Awarded to one of the best academic records of the 2020-2022 graduating class of the Faculty of Sciences of the University of Salamanca.**

11/2022 | Salamanca, Spain



**Individual mention award at Microsoft Azure hackathon organized by Viewnext IBM.**

04/2022 | Salamanca, Spain



**Awarded to one of the best academic records of the 2016-2020 graduating class of the Faculty of Sciences of the University of Salamanca.**

11/2021 | Salamanca, Spain



**Award for the best academic record of the 2016-2020 promotion of the B.Sc. in Computer Science of the University of Salamanca.**

07/2021 | Salamanca, Spain



**Third at the national ranking of Spain Bachelor students by SEDEA.**

07/2021 | Salamanca, Spain



**Member of one of the two finalist teams of the AWS hackathon organized by Viewnext IBM.**

02/2020 | Salamanca, Spain



**Placed as first team of Salamanca, on Google Hashcode on Everis Salamanca Hub.**

02/2020 | Salamanca, Spain



**Member of the winning team of the Blockchain hackathon organized by the DIGITEC project.**

10/2019 | Salamanca, Spain



**Member of the finalist team (Global Nominee) in the NASA Space Apps Challenge hackathon at the Everis Salamanca hub.**

10/2019 | Salamanca, Spain



**Member of the winning team of the smart speaker hackathon organized by Viewnext.**

02/2019 | Salamanca, Spain