



Pedro Costa

Informatics and Computing Engineering Master's Student @ FEUP

I'm a 22 years old informatics enthusiast interested in distributed systems, architecture scalable systems, micro-services and serverless systems and keen on web development. I love to design scalable and reliable systems as well as maintain a good pipeline for continuous integration and deployment. I also like to manage teams and processes.

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PROFESSIONAL EXPERIENCE

Back-end Developer, Part-time Bitmaker Software, Remote

2018, 4 months

- Remote agile development in elixir (functional language)
- Implementing new features for Sodexo employees benefits platform

Contact: CTO – tiago.fernandes@bitmaker-software.com

Technical Researcher Intern, Solutions Architect

Amazon Web Services, Madrid

Summer 2018

- AWS Certified Solutions Architect - Associate
- Improved knowledge on Chalice (serverless python framework) and Vue.js
- Built an internal tool, with serverless frontend and backend using several AWS services that will be used by the team to improve customer acquisition
- Internship report: pedrocosta.eu/aws-report

Contact: Carlos Carus - AWS Head of Technology & Architecture EMEA South
– carusc@amazon.es

Teaching Assistant

Faculty of Engineering, University of Porto

2017

Software Developer Intern

Bitmaker Software, Porto

Summer 2017

- Develop my skills with functional programming (elixir), micro-services, web development and REST services.

Contact: Tiago Fernandes - CTO – tiago.fernandes@bitmaker-software.com

EDUCATION

Master in Informatics and Computing Engineering - BSc (3 years) + MSc (2 years)

Faculty of Engineering, University of Porto

2014 – 2019

Porto, Portugal

- Erasmus at Universidad Politecnica de Madrid
- Master Thesis on Blockchain Oracles

TECNOLOGIES

- node.js
- python
- java
- javascript
- elixir
- aws
- linux
- spark
- scala
- blockchain

INTERESTING PROJECTS

Predicting the arrival delay of commercial flights, 2019

Spark application written in scala and using several machine learning techniques to create a feasible model

Serverless URL Shortener, 2018

Serverless url shortener using AWS Lambda, API Gateway and DynamoDB

Distributed Messaging App, 2017

Java messaging app using a distributed hash table and multiple servers for load balancing and replication of messages and files

Neural network to rate facial expressions, 2017

Using ConvNetJS and javascript to train a neural network for Grammatical Facial Expressions (GFEs) used in the Brazilian Sign Language. Live at: nn.pedrocosta.eu

CERTIFICATES

AWS Certified Solutions Architect - Associate (2018 – 2020)

Validate at: <http://aws.amazon.com/verification> Code: 954MXC52CEQ4QQ93

EXTRA-CURRICULAR ACTIVITIES

Member of the Board of Regents (2017 – 2019)

Faculty of Engineering, University of Porto

Member of NIAEFEUP (FEUP's Informatics Club) (2017 – 2019)

Treasurer - 2017/2018

Treasurer of Informatics Students National Conference (2016 – 2018)

Alumni at European Youth Parliament (2013 – 2015)

International sessions: Tbilisi 2013 | Barcelona 2014

LANGUAGES

Portuguese
Native

English
Fluent

Spanish
Intermediate