

João Pedro L. Carvalho

CTO · TRIPLEOAK

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Experience

TripleOak

Co-FOUNDER & CTO

Portugal

Sep. 2019 - Current

- Developing the company's technical strategy for using technological resources.
- Ensuring technologies are used efficiently, profitably and securely.

Solactive

STUDENT JOB

Dresden, Germany

Jan. 2019 - Mar. 2019

- Supporting the maintenance of the infrastructure architecture.
- Improving the automation process for the management of the infrastructure.
- Research and implementation of distributed solutions for redundancy and fault tolerance.

Fundação para a Ciência e Tecnologia | FCCN

INTERN

Lisboa, Portugal

Nov. 2017 - Mar. 2018

- Internship with the security incidents response team (RCTS CERT).
- Restructuring the *Intrusion Detection System* in the data centers operated by the FCCN unit.

BetaCode (Start-up company)

DEVELOPER

Caparica, Portugal

Feb. 2017 - Jun. 2017

- Developed and implemented a chatbot (in NodeJS with Microsoft Bot Framework).
- Developed enterprise websites with integration in web services.

NOVA-LINCS

RESEARCH ASSISTANT

Caparica, Portugal

Jul. 2015 - Jul. 2017

- Development of a DHT Protocol to mitigate *churn* problems.

Education

Faculdade de Ciências e Tecnologia (Universidade NOVA de Lisboa)

INTEGRATED MASTER IN COMPUTER SCIENCE AND ENGINEERING

Caparica, Portugal

Sep. 2014 - Mar. 2020

- **Thesis - A Systems Approach to Minimize Wasted Work in Blockchains**
- EXPO FCT 2016, 2017 and 2018 Volunteer
- Guide in MARIAS 2016 - XV Festival de Tunas Femininas da FCT/UNL
- AEFCT Collaborator
- GANK Member
- Erasmus TU Dresden 2018/2019

Escola Secundária Manuel da Fonseca

SOCIO-ECONOMIC SCIENCE

Santiago do Cacém, Portugal

Sep. 2011 - Jun. 2014

- Euroscola 2013
- Student Council Member
- Dance Group Member

Skills

Concepts Security, Networks, Cryptography, Distributed Systems, Machine Learning

Languages Portuguese, English, Spanish

Extracurricular Activity

AEFCT

MEMBER - CLUBS COORDINATOR

Caparica, Portugal

Jan. 2017 - Jan. 2018

- Student council for Faculdade de Ciências e Tecnologia.
- Responsible for managing the 29 clubs and 6 student entities of our faculty.
- Organization of several recreational and cultural events.

JorTec Informática 2017

ORGANIZING COMMITTEE MEMBER

Caparica, Portugal

Jan. 2017

- Two days of talks and workshops about Computer Science and Engineering.

Presentation

7th INForum - Computer Science Symposium

Covilhã, Portugal

PRESENTER FOR <OUROBOROS: UMA DHT AUTO-ORGANIZÁVEL TOLERANTE A Churn>

Sep. 2015

- Presentation of the short article about the Ouroboros Protocol.