

# ioacademy CHALLENGE

Your future starts here and now!

2<sup>nd</sup> Edition – 2019 (extra phase)

## Overview

Would you like to experience a **new world of training**? - The best of academic formation combined with amazing professional experiences to improve your skills (technical and soft).

IOTech promotes **ioAcademy Challenge** – Innovation on Technology which is an event of "Career 4.0" - Student Career Management activities, aimed at an audience that is still a student, but that is looking for the first contact with companies and the world of work. This challenge is supported by the Engineering School Pedagogical Council of the University of Minho.

Are you interested in making the difference and improving your CV? Don't miss this opportunity. Good Luck! 😊

## Goal

The **primary objective** is to **promote** the **transversal training** of **students**, helping them to know the realities of the world of work and **contributing** to their personal and professional **skills**.

## Dates

Are you interested in our challenge? Pay attention to the following **dates**:

- ✓ **Phase I - Registration**: April, 5-9
- ✓ **Phase II – Interview and Pitch**: April, 9 (14h00)
- ✓ **Phase III - ioAcademy Start**: April, 15

## Prizes

This **challenge** can **help** you **integrate** into a **professional world**. We **offer** you **professional challenges** and:

- ✓ **Mentoring** (can be renewed every academic semester until the end of the course);
- ✓ **Continuous formation** through online-learning platforms;
- ✓ The possibility of having **access** to a **Summer internship** (this prize is attributed according to the results achieved by the student during the formation process);
- ✓ Possibility of **finish** their **course** at **IOTech** (dissertation proposal)

## Rules

This **challenge** is **open** to all **students**, and any student that **meets** the **admission terms** can participate. The **process starts** with the registration at [ioAcademy Challenge website](#) and fills the [google form](#). Then the students will be selected to an interview. During the interview, they will answer a set of questions regarding their profile, skills and expectations. In this phase, the

participant also needs to do a pitch, and we will evaluate their skills (technical and soft) and their desire to join ioAcademy. This **selection process** is restricted, and the number of selected participants cannot be superior to 5 (five). After concluding the interview, the mentors will **decide** who is ready to **join ioAcademy**. Finally, the students selected for each area will be invited to **integrate ioAcademy**. The positions are open; however, if no one met the requirements the position is not filled.

## Phase Goals

### Phase I - Registration

Each **student** should

- ✓ **Make** the **candidature** and **choose** the **area** that they want to make their **application**;
- ✓ **Fill** the **form** with their **expectations**.

### Phase II - Interview and Pitch (60sec)

You will **answer** a set of **questions** made by ioAcademy mentors;

You must present your skills and answer a simple question:

- ✓ Why are you interested in being a member of ioAcademy?
- ✓ What would you like to do in the future?

We have positions open in the following areas /subjects:

- ✓ Mobile & PWA;
- ✓ IOT;
- ✓ REST API;
- ✓ Unit tests;
- ✓ UI, UX & Templates;
- ✓ Machine Learning & Data Science;
- ✓ Management and documentation;

### Phase III - ioAcademy (by academic semester)

Have you completed all phases with success? Congratulations, you are an ioAcademy member, now. Be welcome!

**Tip:** Be yourself, don't try to show what we want to see, because we didn't have a target defined. Be positive, confident and relax! We want to help you to be a greater student and professional.

## Professional challenges available at ioAcademy

- ✓ Blockchain - Explorar fluxos encriptados
- ✓ Bots - Slack bot to delete files and messages
- ✓ GraphQL - Explorar o substituto do REST
- ✓ IOT - Explorar fechaduras inteligentes
- ✓ IOT - Explorar funcionalidades da impressora 3D
- ✓ JS - Otimizar algoritmo do ioTesting (testes integrados)
- ✓ Management - Explorar ferramentas de gestão úteis à IOTech
- ✓ PWA – Explorar API Sensors
- ✓ PWA - Explorar comportamentos Android e Iphone
- ✓ Python - Criar gráficos dinâmicos com a biblioteca Dash (Dados ioHUB)
- ✓ Python - DS - Explore Data

- ✓ Python - Image Recognition (colors, aspects) with Vision Cloud - Tipo Google Lens
- ✓ REST API - Converter funções/métodos da ioAPI v1 para a ioAPI v2
- ✓ UI - Criar um banco de imagens para o ioHub de acordo com os eventos do calendário. 365 imagens para 365 dias
- ✓ UI - Front-end - Explorar a criação de Log Systems
- ✓ UI - Vue.js - Fazer o Instagram do ioGeek
- ✓ UI - Vue.js - Reestruturar site da IOTech
- ✓ Other....

### Admission Terms

- ✓ **First Time:** It is your first participation at ioAcademy Challenge;
- ✓ **Engineering areas:** Informatics, Information Systems, Communications, Technologies or similar;
- ✓ **Management areas/skills:** Marketing, Accounting, Management, Economics, Finance, Marketing and Strategy, Human Resources Management;
- ✓ **Knowledge** of Node.js and Sensors and/or Mobile programming and/or Networks and/or Cloud Computing or Knowledge of Management and project writing;
- ✓ **Registration rules** of ioAcademy Terms.

### Info & Contacts

- ✓ <https://challenge.ioacademy.iotech.pt>
- ✓ <https://ioacademy.iotech.pt>
- ✓ [ioacademy@iotech.pt](mailto:ioacademy@iotech.pt)

You must read the Privacy and Terms of ioAcademy before making your application to ioAcademy challenge.