

# João Pedro Figueira Galhardo Calhau

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## Curriculum Vitae

### Summary

Currently finishing Master's Degree in Computer Science Engineering at University of Évora and at the same time working as an intern at Capgemini Évora. Dissertation theme is related to computer security and it's title is "Digital Forensics Research Using Constraint Programming". During Bachelor's and first year of Master's gained interest in Back-end, Security and Relational Database management Systems. Work solo or in a team, fully capable and willing to learn new things and overall enrich any kind of skill that may be worth it for the future.

### Education

- 2013-2016 **Bachelor's degree in Computer Science Engineering**, *University of Évora*, Évora, Portugal.  
Final Average: 13.17 out of 20
- 2016-Present **Master's Degree in Computer Science Engineering**, *University of Évora*, Évora, Portugal.  
Writing thesis. Current Average: 15 out of 20

### Experience

#### Work Experience

- 2018-Present **Intern**, *Capgemini*, Évora.  
Working with Microsoft Dynamics CRM 365 and with C# language and also touching on a bit of HTML, Javascript and CSS

#### Miscellaneous

- 2014-2017 **Vigilante**, *Cathedral of Évora*, Évora.  
Interaction with tourists of various nationalities during Summer, usually a whole month
- 2013 **Coffee Attendant**, *Zoka*, Évora.  
Interactions with all sorts of people from all sorts of nationalities, also taking orders and preparing them. One month duration
- 2012 **Factory Work**, *TE Connectivity*, Évora.  
Worked in the relay creation section inside the factory, watching the machines in case they jammed and fixing them in case they needed to be fixed. One month duration

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## Technical Skills

### Programming Languages

- Java, C, C++, C#, Lua, Python, Prolog, Groovy, JavaScript

### Markup Languages

- HTML, CSS,  $\text{\LaTeX}$ , Markdown

### Relational Database Management Systems

- PostgreSQL, MySQL

### NoSQL Databases

- Redis

### Integrated Development Environments

- IntelliJ, NetBeans, Eclipse, Visual Studio

### Frameworks

- Grails, React Native, Node.js, Codeigniter, Django

### Other Important Technologies

- Bash, Git

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## Languages

Portuguese **Native**

English **C1**

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## Proudest achievements (In University)

### Database with information about Erasmus+ students (PL/pgsql).

Development of a database in PostgreSQL with Triggers and Functions with the help of PL/pgsql

### Text based Game like Dungeons and Dragons.

Creation of a small text based game (with text commands) in Prolog language. The game consists of 3 floors (each floor with various rooms, and a final room where one can descend floors by killing a final boss), each level has items, mobs, pets and a simplified light system. The player can equip items, change pets, eat food and fight against mobs or bosses.

### Information Theory assignment.

Analyzing a genome, compressing, sending information through a channel, correcting the errors and decompressing. Algorithms involved: Hamming Code and LZW Compression Algorithm

### REST Interface to University of Évora's Climate webpage.

Development of a REST interface using Groovy with the Grails framework. The interface consists in collecting data from the University of Évora's Climate webpage (<http://www.clima.cge.uevora.pt/>) and showing it in a more presentable manner to the clients. The clients could query the interface and it could organize the information in various ways. This interface was later used in another assignment in a Master's class to create an android application.

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## Additional Information

- Technology enthusiast.
- Enjoys programming and learning new languages.
- Preferred languages are Java, C, C++ and C#
- Took a modular formation in composites.
- Participated in EIT Health Innovation Day, where we were asked to come up with new ideas to blend technology with the health sector in Portugal. Team won first prize.
- Enjoys playing computer or console games.

## Certificates

### **Bachelor's Degree Diploma.**

University of Évora, Évora, Portugal, 2016

### **Modular Formation in Composites.**

Institute of Employment and Training, Évora, Portugal, 2013

### **EIT Health Innovation Day Winner Diploma.**

PACT, Évora, Portugal, 2017

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# UNIVERSIDADE DE ÉVORA

Academic Services

## Certificate

Maria Alexandra Courinha Martins Lopes Fernandes, Director of the Academic Services at the Universidade de Évora (University of Évora) certifies that, according to the records archived in these Services, **João Pedro Figueira Galhardo Calhau**, holder of the Identity Card nº **14914698** (Cartão de Cidadão Português), with Portuguese nationality, concluded on the first of July, two thousand and sixteen, the **Licenciatura em Engenharia Informática (Computer Science Engineering)**, attaining the level of licenciado, administered by this University, with a total of **180** credits, in accordance with the curricular structure published in Diário da República (2.ª série) nº 55, de 18 de março de 2008, Despacho n.º 8090/2008, having obtained the classification of **13 (thirteen)** marks, mention of **Adequate** and classification of **C** on the European Scale of Comparable Classification.

This certificate is officially stamped.

Universidade de Évora, 23<sup>rd</sup> May 2018

 Academic Services Director



Register: 0602/9119/0252LIC/2016

Payment: 100.00 €

Confirmed: *Anabela*



# Certificado de Qualificações

## Formação Modular

(Portaria n.º 230/2008, de 7 de Março)

Certifica-se que João Pedro Figueira Galhardo Calhau natural de Évora nascido em 11/07/1995, com o N.º de Identificação Civil 14914698 válido até 19/08/2014, concluiu com aproveitamento, em 01/10/2013, no(a) Centro de Formação Profissional de Évora, a(s) seguinte(s) unidade(s) de formação de curta duração do Catálogo Nacional de Qualificações, com início em 13/08/2013.

Componente de Formação	Código	Unidades de Formação de Curta Duração	Carga horária
Tecnológica	5852	Compósitos - introdução	25
	5853	Compósitos - processo de fabrico por cura em autoclave	50

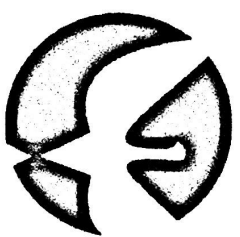
Évora, 04 de Outubro de 2013

O(A) Responsável pelo(a) Centro de Formação Profissional de Évora

(Assinatura e selo branco ou carimbo)

Certificado n.º 3489/2013





UNIVERSIDADE  
DE ÉVORA



Health

INNOVATION DAY

# VENCEDOR

Serviços de consultadoria à elaboração de Candidatura ao  
Portugal2020 - Sistema de Incentivos "Qualificação das PME "  
(Tipologia Vale)

24 DE NOVEMBRO DE 2017

Com o apoio de:

