




## João Cristóvão


**Data de nascimento:** 11/02/2001

**Local de nascimento:** Castelo Branco, Portugal


**Nacionalidade:** Portuguesa

### CONTACTO

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## EDUCAÇÃO E FORMAÇÃO

**09/2021 – ATUAL** Castelo branco, Portugal

**Licenciatura em Informática e Multimédia** Instituto Politécnico de Castelo Branco

**Bachelor's Degree in Computer Science and Multimedia**  
**Polytechnic Institute of Castelo Branco – Castelo Branco, Portugal**

**Duration:** September 2021 - Now

### Year 1

- **Algorithms and Programming** – Fundamentals of algorithmic logic and structured programming.
- **Design and Creativity** – Introduction to visual communication and digital creativity.
- **Probability and Statistics** – Statistical methods and probabilistic models for computing.
- **Human-Computer Interaction I** – Principles of usability and interaction design.
- **Multimedia I** – Basics of multimedia content creation (audio, image, video).
- **Computer Architecture** – Digital logic, components, and computer organization.
- **Databases** – Relational databases, data modeling, and SQL.
- **Operating Systems** – Core concepts of OS design and resource management.
- **Multimedia Signal Encoding** – Compression and encoding of digital media.
- **Object-Oriented Programming** – Object-oriented principles and design patterns.
- **Human-Computer Interaction II** – Interface prototyping and user experience design.
- **Logic and Computation** – Foundations of logic applied to computer science.

### Year 2

- **Computer Networks** – Networking fundamentals, protocols, and architectures.
- **Software Design Patterns** – Software design principles and reusable solutions.
- **Audio and Video Production Technologies** – Techniques for editing and producing digital media.
- **Advanced Databases** – Optimization, procedures, and advanced SQL.
- **Multimedia II** – Interactive multimedia systems and tools.
- **Foundations of Artificial Intelligence** – Introduction to AI concepts and basic algorithms.
- **Mobile Programming** – Development for Android/iOS platforms.
- **Software Engineering** – Software development lifecycle and project management.
- **Web Languages** – Front-end and back-end web development (HTML, CSS, JS, PHP).
- **Systems Analysis** – Methods for analyzing, modeling, and designing systems.
- **Computer Graphics** – 2D/3D graphics principles and rendering techniques.
- **Artificial Intelligence** – AI algorithms, problem solving, and machine learning basics.

### Year 3

- **Data Organization Languages** – Structured data representation languages (XML).
- **Project I** – Capstone project: planning, development, and prototype creation.
- **Internet Architecture and Technologies** – Internet protocols, web servers, and services.
- **Interactive Systems Design** – Designing interactive digital experiences.
- **Information Systems in Organizations** – IT systems for business processes and decision-making.
- **Multimedia Applications** – Development of multimedia-based applications.
- **Multimedia III** – Advanced multimedia systems integration.
- **Information Systems Architecture** – Enterprise-level systems and data integration.
- **Intelligent Data Analysis** – Data mining and basic data science techniques.
- **Project II** – Final project: implementation, testing, and presentation.

Sítio Web <https://www.ipcb.pt/> | Área de estudo Educação | Nível no QEQ Nível 6 QRQ |

Tipo de créditos ECTS | Número de créditos 180

15/09/2019 – 28/07/2021 Castelo Branco, Portugal

## Curso Técnico Superior Profissional em Tecnologias e Programação de Sistemas de Informação | Instituto Politécnico de Castelo Branco

**Higher Professional Technical Course in** Information Systems Technologies and Programming

**Polytechnic Institute of Castelo Branco** – Castelo Branco, Portugal

**Duration:** September 2019 – July 2021

**Main Coursework:**

### Year 1

- **Mathematics** – Fundamentals for problem-solving and logic-based reasoning
- **Interface Design** – Principles of user interface and user experience (UI/UX)
- **Algorithms and Programming** – Basic algorithmic logic and structured programming
- **Project Management** – Introduction to planning, executing, and monitoring IT projects
- **Requirements Analysis** – Elicitation and specification of software requirements
- **Database Modeling** – Relational models, ER diagrams, and normalization
- **Computer Systems Architecture** – Hardware fundamentals and system organization
- **English** – Technical English for computing and business communication
- **Operating Systems Fundamentals and Operation** – Process management, memory, and file systems
- **Web Development** – Front-end and basic back-end technologies
- **Network and Telematic Services Architectures** – Network protocols, services, and infrastructures
- **Database Project** – Practical implementation of database systems

### Year 2

- **Object-Oriented Programming** – Classes, inheritance, polymorphism, and design patterns
- **Software Testing Fundamentals** – Testing principles, test cases, and quality assurance
- **Technical Documentation** – Writing manuals, user guides, and technical reports
- **Software Engineering** – Software development lifecycle and methodologies
- **Mobile Device Programming** – Application development for Android/iOS platforms
- **Web Programming with Databases** – Full-stack development using relational databases
- **Technological Architecture of Information Systems** – Enterprise IT infrastructures and integration
- **Information Systems Security** – Network and application security principles
- **Software Testing Tools** – Use of automated testing frameworks and tools
- **Big Data** – Introduction to data analysis and large-scale data processing
- **Internship** – Practical experience in a professional environment applying acquired skills

**Endereço** Av. Pedro Alvares Cabral 12, 6000-084, Castelo Branco, Portugal | **Sítio Web** <https://www.ipcb.pt/> | **Área de estudo** Tecnologias da informação e comunicação (TIC) sem definição precisa | **Classificação final** 15 | **Nível no QEQ** Nível 5 QRQ |

**Classificação nacional** 5 | **Tipo de créditos** ECTS | **Número de créditos** 120

08/2017 – 04/2019 Castelo Branco, Portugal

## Técnico Gestão e Programação de Sistemas Informáticos Escola Básica e Secundária Pedro da Fonseca

Português

Inglês

Área de Integração

Tecnologias de Informação e Comunicação

Educação Física

Sistemas Operativos

Arquitetura Computadores

Redes de Comunicação

Programação e Sistemas de Informação

Formação em Contexto de Trabalho

Prova de Aptidão Profissional(PAP)

**Endereço** R. da Escola Velha, 6150-523, Castelo Branco, Portugal | **Sítio Web** <https://www.aeproencaanova.pt/> |

**Área de estudo** Tecnologias da informação e comunicação (TIC) sem definição precisa | **Classificação final** 15 | **Nível no QEQ** Nível 4 QRQ

## COMPETÊNCIAS LINGUÍSTICAS

**LÍNGUA(S) MATERNA(S):** português

**Outra(s) língua(s):**

inglês

Compreensão oral B1

Produção oral B1

Leitura B2

Interação oral B1

Escrita B1

## francês

**Compreensão oral** A2  
**Produção oral** A2  
**Leitura** A2  
**Interação oral** A2  
**Escrita** A2

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## espanhol

**Compreensão oral** A1  
**Produção oral** A1  
**Leitura** A1  
**Interação oral** A1  
**Escrita** A1

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*Níveis: A1 e A2: Utilizador de base; B1 e B2: Utilizador independente; C1 e C2: Utilizador avançado*

## COMPETÊNCIAS

### PROGRAMAÇÃO

Conhecimentos básicos de programação (HTML, CSS) | Desenvolvimento de Websites(HTML/CSS/JavaScript/PHP) | Experiência com o Unity

### REDES SOCIAIS

Domínio de plataformas digitais (Gmail Hotmail Zoom WhatsApp Google etc) | Domínio de ferramentas de comunicação(Skype, TeamSpeak, Discord) | Redes informáticas – princípios básicos

## CARTA DE CONDUÇÃO

|   |                              |                         |
|---|------------------------------|-------------------------|
| ● | <b>Carta de condução:</b> B1 | 28/10/2021 – 28/10/2035 |
| ● | <b>Carta de condução:</b> B  | 28/10/2021 – 28/10/2035 |

## PASSATEMPOS E INTERESSES

- **Formula 1**
- **Football**
- **Cycling**
- **Travelling**