



# Tiago Lourenço

✉ [martins.e.louren@gmail.com](mailto:martins.e.louren@gmail.com) ☎ +351962572125

📍 Rua José António Morão 83, 6000-237 Castelo Branco, Portugal

📅 21 Dec 1986 🇵🇹 Portuguese

in <https://www.linkedin.com/in/tiagolourenco00>

🐙 <https://github.com/TL086> 📞 +351962572125

## EDUCATION

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### FULL STACK DEVELOPER,

Mar 2023 – Sep 2023

<Academia de Código\_>

Java, Spring MVC, Spring Framework, Programming, Object-Oriented Programming, Web Development, Web Applications, SOA, HTML, CSS, Javascript, Bootstrap, jQuery, Git, SQL, JUnit, Testing, Agile Methodologies, SCRUM, Maven, Tomcat, ES6, REST API, Java Database Connectivity, Model View-Controller (MVC), React.

Website <https://www.academiadecodigo.org/>

### ELECTRONICS AND TELECOMMUNICATION

Sep 2008 – Oct 2013

### ENGINEERING,

Castelo Branco, Portugal

*Escola Superior de Tecnologia, IPCB*

Telecommunications Systems Operations; Computer Administration and Management; Mobile Comms Systems Planning; Radio and Optical Propagation Systems Project; Electronic Systems Project; Hardware Development; Computer Systems Maintenance; Digital Sound and Image Processing; Technology Integration; Programming languages; Systems Analyst; System programmer.

Website <https://www.ipcb.pt/>

## PROJECTS

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### MasterLumberjack, Game Challenge @ Code Academy

Game Challenge MasterLumberjack was a team project done in week 9 of The Studio bootcamp – a game whose main characters are a woodcutter and wolves, with the woodcutter trying to cut down all the trees in the forest and the wolves trying to catch the woodcutter.

Technologies: Java, IntelliJ & Git

### Automatic dispenser for solids and liquids

Project work presented to the Escola Superior de Tecnologia of the Polytechnic Institute of Castelo Branco in order to fulfill the necessary requirements to obtain the Bachelor's degree. It consists of the development of a system based on PIC (Programmable Interface Controller) microcontrollers, programmed in C# language.

Tools: CCS PIC C Compiler – structuring and development of code in C language for microcontrollers; PICKit 2 Programmer – PIC Microchip Technology microcontroller programmer; Proteus ISIS Professional – electronic circuits simulation; Altium Designer – printed circuit board design.

## PROFESSIONAL EXPERIENCE

## PROCESS ENGINEERING,

Feb 2018 – present

MECALBI ENGINEERING SOLUTIONS, LDA

Castelo Branco, Portugal

Design, Implement and Optimize the manufacturing process; Perform and control technical documentation related to manufacturing process; Support technical documentation preparation for customized products; Support SOP preparation for new products; Annual Maintenance Plan coordination for manufacturing equipment; Coordination and control an effective operation of all equipment; Projects Analysis and cost breakdown.

## MANUFACTURING ENGINEERING,

Feb 2014 - Feb 2018

DELPHI AUTOMOTIVE SYSTEMS

Castelo Branco, Portugal

Manufacturing process design, implement and coordination; Technical documentation preparation to support manufacturing; Manufacturing process analysis, optimization and redefinition; Production layout design and management; Industrial management and operations management; Project assessment and management; Manufacturing systems design and organization.

## LANGUAGES

Portuguese



English

