

## Employment

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<b>Researcher</b>	<b>Haslab   Inesc Tec</b>	<b>Fev 2017 – Jul 2017</b>
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Quality of Robotic Software

- Discovery of error patterns in ROS packages as the main goal.
- Developed ROS packages and tested them in TurtleBot.

## Education

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<b>Braga, Portugal</b>	<b>University of Minho</b>	<b>September 2014 – Present</b>
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- M.S.E. in Software Engineering, started in September 2017.
- B.S.E. in Software Engineering, September 2014 - June 2017. Average Grade: 18 out of 20
- Graduate Coursework: Cryptography; Information Security; Formal Methods; Program Specification and Verification; Program Calculus; System Deployment; Scripting for Natural Language Processing.
- Undergraduate Coursework: Operating Systems; Databases; Algorithms and Data Structures; Programming Languages; Comp. Architecture; Discrete Maths; Computer Networks; Operations Research; Numerical Methods.

## Technical Experience

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### Projects

- **Graphics Engine** (2017): Generates a graphic scene based on geometric directives specified in XML files. C++, OpenGL, XML
- **Mnham-Mnham** (2017): Location aware food/restaurant recommendation system with voice recognition. C#, SQL Server, Xamarim
- **Reverse Proxy Server** (2017): Proxy server that distributed incoming requests through connected backend servers. Java
- **Simple Programming Language** (2017): Developed the grammar, parser and compiler for a simple imperative programming language. C, Flex, Yacc
- **Expense Manager** (2016): Expense sharing system for roommates. Java, MySQL

## Additional Experience and Awards

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- **Excellence Award at University of Minho (2017)**: Best average grade of all the 2nd year students of my course.
- **Excellence Award at University of Minho (2016)**: Best average grade for a 1st year student in the entire university.
- **Delegate, European Youth Parliament (2015)**: Committee on International Trade, discussed the viability of a Digital Single Market in the EU.
- **National Robotics Challenge (2014)**: Rescue Robot Contest.
- **Attended**: Pixels Camp 2016, Web Summit 2016, GDG Devfest Porto 2016, Pixels Camp 2017.
- **Programming contests**: Google Hash Code (2016, 2017), MIUP 2017 (main national contest), organized multiple contests at University of Minho.
- **Member of Student Non-Profit**: Staff member in multiple events including SEI and JOIN (the main events at University of Minho, with job fairs and workshops).

## Languages and Technologies

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- C; Prior Experience in C++; Java; Python; Prior Experience in C#; SQL; Haskell; HTML/CSS/JS;
- Visual Studio; Microsoft SQL Server; MySQL; Neo4j; Mongo; ROS; Docker; Vagrant;