

# Bruno Henriques

☆ 23 Years Old 📍 Carcavelos, Portugal  
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## EDUCATION

### INSTITUTO SUPERIOR TÉCNICO, UNIVERSIDADE DE LISBOA

#### MSC IN COMPUTER SCIENCE

Expected Nov 2016 | Lisbon, Portugal

Current Average: 17 out of 20

Thesis in HRI: Rapport - Establishing  
Harmonious Relationships Between  
Robots and Humans

#### Coursework

Advanced Programming  
Autonomous Agents  
Distributed Applications  
Natural Language  
Network and Computer Security  
Search and Planning  
Software Architectures

### BSC IN COMPUTER SCIENCE

Finished July 2014 | Lisbon, Portugal

Final Average: 17 out of 20

#### Coursework

Artificial Intelligence  
Compilers  
Computer Networks  
Logic for Programming  
Operating Systems  
Software Engineering

### ABBOTSHOLME

#### ENGLISH LANGUAGE PROGRAMME

August 2010 | Staffordshire, England

## LANGUAGES

Portuguese: Native

English: Full Working Level Proficiency

French: Elementar

## SKILLS

### PROGRAMMING

2-3 years working in:

Java • LISP • Linux • Git • Latex

1 year working in:

Swift • iOS • Python • C • C# • C++

.NET • Unity • HTML • CSS • CocoaPods

< 1 year working in:

Android • SQL • Jekyll • ROS • JS • PHP

Ant • Prolog • Asm • OpenCV • OpenGL

## EXPERIENCE

### ANITA BORG | GOOGLE SUMMER OF CODE MALARIA-IOS MENTOR

March 2016 - Present (3 months) | Online

- Evaluated 6 students proposals regarding their understanding of the project, their engagement, and the proposed timeline;
- Provide guidance and review code written by the students (Swift).

### ANITA BORG | GOOGLE SUMMER OF CODE MALARIA-IOS STUDENT

May 2015 - September 2015 (5 months) | Online

- Redesigned and improved the iOS App in Swift with success as it met the required requirements and was nearly identical to the expected design;
- Published 4 open-source CocoaPods modules (1, 2, 3 and 4);
- Designed the architecture with a clear separation between presentation, data and logic measured by its **testability**, **modularity** and **readability**.

### FENIXEDU | IOS DEVELOPER

October 2014 - November 2015 (13 months) | Lisbon

- Developed and released the first official Técnico Lisboa iOS App in Swift used by Portuguese and international students with ~3k installations;
- Developed several today's screens (e.g., payments, curriculum, and settings);
- Integrated the schedule of classes and exams with the native calendar;
- Streamlined the process of mapping the REST endpoints onto objects by abstracting the data synchronisation and separating it from the presentation layers, measured by the reduced code to expand and maintain the app.

## RESEARCH

### GAIPS INESC-ID | SUMMER INTERNSHIP

July 2014 - August 2014 (2 months) | Oeiras

- Developed an emotive agent on Robot **Baxter** to manipulate randomly placed objects using **ROS** and **OpenCV** (📺 4G643DbAGfg);
- Consolidated the architecture as measured by its **maintainability** and **reusability** by streamlining the launcher, by abstracting the facial features generation, and by refactoring the algorithm to support unlimited patterns.

## UNIVERSITY EXTRACURRICULAR WORK

### INSTITUTO SUPERIOR TÉCNICO | MEIC COURSE DELEGATE

October 2014 - November 2015 (13 months) | Lisbon

- Promoted the quality of MEIC courses, ensuring that the teaching methods were effective and according to Técnico Lisboa's regulations;
- Solved **conflicts** between students and professors by **negotiating** solutions that benefited both parties.

### INSTITUTO SUPERIOR TÉCNICO | INCOMING STUDENTS MENTOR

September 2012 - September 2013 (12 months) | Lisbon

Provided guidance to new incoming students during their first days at the campus.

## AWARDS

March 2016	8th place (out of 13)	<u>Unbabel</u> NLP Challenge
2012-2013	Performance Award	Volunteer Work at Natura Observa
2011-2013	Academic Award	Instituto Superior Técnico