Bruno Henriques

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EDUCATION

INSTITUTO SUPERIOR TÉCNICO, UNIVERSIDADE DE LISBOA

MSc in Computer Science

Software Engineer
Intelligent Systems

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
Distributed Applications
Natural Language
Network and Computer Security
Search and Planning
Software Architecture

BSc in Computer Science

Finished July 2014 | Lisbon, Portugal
Final Average: 17 out of 20

Coursework
Artificial Intelligence
Analysis of Algorithms
Compilers
Logic for Programming

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:
Swift • iOS • Java • LISP • Linux • Git
1 year working in:
Python • C • C# • C++ • .NET • Unity
HTML • CSS
< 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 - September (7 months) | Online

- Evaluated 6 students proposals regarding their understanding of the project, their engagement, and the proposed timeline;
- Provide guidance and code reviews for 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;
- Developed several of the screens currently in production (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)	Unbabel NLP Challenge
2012-2013	Performance Award	Volunteer Work at Natura Observa
2011-2015	Academic Award	Instituto Superior Técnico