Bruno Henriques

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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
Analysis of Algorithms
Compilers
Computer Networks
Logic for Programming
Operating Systems

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 (5 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 with ~3k installations;
- 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
2011-2013	Academic Award	Instituto Superior Técnico