

Henrique Rocha

Telecommunications and Informatics

about

Henrique Duarte Lopes
Rocha

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WebSite
YouTube

languages

portuguese (native)
english (fluent)

programming

♥ Java
(Android,
PlayFramework,
LWJGL, MapReduce),
C, C++ (OpenGL), C#
(XNA, Windows Forms,
WPF, Ipsolve), VB,
Python, Scala,
Scheme, HTML, CSS,
JavaScript (jQuery,
AJAX, WebGL), SQL,
PHP, GLSL, HLSL.

databases

MySQL, PostgreSQL,
MongoDB, DynamoDB.

soft skills

Time Management
Problem-Solving
Team Player
Self Confidence
Adaptability

education

- 2013–now **Master of Science** Instituto Superior Técnico - Taguspark
Telecommunications and Informatics Engineering
- 2009–2014 **Bachelor of Science** Instituto Superior Técnico - Taguspark
Communication Networks Engineering
- 2006–2009 **Secondary School** Escola Secundária Luís de Freitas Branco, Paço de Arcos
Science & Technology

experience

- 11 2014
(ongoing) **Web Development** Bullray
Development of an architecture for a chat application. Experience with Android, PlayFramework and MongoDB.
- 04 2014
(6 months) **Scientific Initiation Scholarship** INESC
Frontend Development for Provide Results's Bimk project. Experience with PlayFramework, Revit API and GIT.
- 09 2013
(6 months) **Scientific Initiation Scholarship** CEG-IST
Programming Decision Analysis Software (MACBETH). Development of an algorithm to suggest judgements based on past decisions using Ipsolve.
- 08 2013
(2 weeks) **Summer Work** LCG
Frontend development for Decision Analysis Software using ASP.NET.
- 11 2012 **Pizza Night Competition** Microsoft Lisbon Experience
2° place on Windows Phone Category with Infinity Edge game.
- 08 2006
(1 month) **Garbage Collector** Jovens em Movimento, Oeiras
Cleaning and maintenance of public spaces.

applications

- 2015 **Bomb Raider** Google Play
Bomb Raider is a simple singleplayer and multiplayer game where the goal is destroying all enemies in the map.
- 2013 **OpenGlobe** Instituto Superior Técnico
Modeling Earth surface with GPS devices and topographic collected data. It is also possible to predict satellites position through ephemeris data.
- 2012 **Infinity Edge (Windows Phone 7)** windows marketplace
First Person Shooter with spaceships.
- 2011 **Era of Empires** Personal Project
3D environment generator and Real Time Strategy game engine.

interests

3D Studio Max, Photoshop, Game Development, Web Design, Network Security, Jogging and Yoga.