# RÚBEN ANDRÉ LETRA BARREIRO

### Computer Science Engineer & IT/IS Programmer/Technician

- Academic E-mail @ FCT NOVA #1: r.barreiro@campus.fct.unl.pt
- Academic E-mail @ FEUP #1: up201808917@fe.up.pt

Academic E-mail @ FEUP #2: up201808917@g.uporto.pt

- Personal E-mail #1: ruben.barreiro.92@gmail.com
- Personal E-mail #2: ruben.barreiro.92@outlook.com
- Personal E-mail #3: rubenbarreiro92@yahoo.com
- Mobile Number 1: +351 911 097 424
- Mobile Number 2: +351 911 097 424
- Mobile Number 3: +351 911 097 424
- Birthday: November 19, 1992
- Hometown: Avenidas Novas, Lisbon, PT (São Sebastião da Pedreira)
- Current Location: Almada, Setúbal, PT (Monte de Caparica)
- f Facebook: https://www.facebook.com/rubenandrebarreiro/
- Instagram: https://www.instagram.com/ruben.badnewz/
- Twitter: https://twitter.com/ruben\_badnewz/
- in LinkedIn: https://www.linkedin.com/in/rubenandrebarreiro/
- % GitHub's Portfolio/Personal Blog: https://rubenandrebarreiro.github.io/
- WordPress' Personal Page/Blog: https://badnewz-lifestyle.com/
- Bē Behance: https://www.behance.net/ruben\_badnewz/
- GitHub: https://github.com/rubenandrebarreiro/
- GitLab: https://gitlab.com/rubenandrebarreiro/
- Atlassian Bitbucket: https://bitbucket.com/rubenandrebarreiro/
- MathOverflow: https://mathoverflow.net/users/134256/rúben-andré-barreiro/
- StackOverflow: https://stackoverflow.com/story/rubenandrebarreiro/
- A Academia: https://utaustinportugal.academia.edu/rubenandrebarreiro/
- Mendeley: https://www.mendeley.com/profiles/ruben-andre-barreiro/
- ORCiD: https://orcid.org/0000-0003-2572-8949
- Publons: https://publons.com/researcher/1670842/ruben-andre-barreiro/
- ResearchGate: https://www.researchgate.net/profile/Ruben\_Barreiro/
- ResearcherID: http://www.researcherid.com/rid/A-6299-2019



# **MOST PROUD OF**



### Courage I had

I always work to take a sinking ship and try to make it float



### Persistence & Loyalty

I always have shown my willingness and attitude, even in front of hard moments in life and work



### **Constant Improvement**

I'm always obsessed in improve myself and get better than I was before



### Inspiring men in tech

I'm a hard-working and passionate Computer Science and Engineering's student with huge dreams



## LIFE PHILOSOPHY

"Talent without hard working is nothing!"



## **LANGUAGES**

**Native Languages:** 

Portuguese



### Other Languages:

**English** Spanish German

French

# PROFESSIONAL EXPERIENCE

### App Designer & Developer

### **U.Porto Media Innovation Labs**

- M September 2018 December 2018
- Porto Center, Porto, PT
- https://mil.up.pt/ https://sigarra.up.pt/feup/pt/web\_page.inicial
- https://www.bright.pt/
  - http://www.acreditar.org.pt/
- Designing and development of the interface of the "Everyone Is a Hero" app for mobile devices' Android and iOS operative systems
- Designing of the mobile app in Adobe Illustrator CC and Adobe Photoshop CC
- Development of the mobile app in Unity 3D, C#, SQL and JSON
- The "Everyone Is a Hero" app was developed with the collaboration of U.Porto Media Innovation Labs, Faculty of Engineering of University of Porto (FEUP), Bright Digital and Acreditar
- The app aims to offer interactive support and information to families, educators and volunteers of children who suffer of cancer diseases
- Other goal of the app, it's to, in a near future, be linked to the video game app for these same children, called "Hope", that's being also developed by Bright Digital
- Presentation in the TalkABit 2019 conference

### Scientific Research & Development Internship

# LSTS (Laboratório de Sistemas e Tecnologia Subaquática / Underwater Systems and Technology Laboratory)

- October 2018 November 2018
- Paranhos/São João do Porto, Porto, PT
- https://lsts.fe.up.pt/
  https://sigarra.up.pt/feup/pt/web page.inicial
- Scientific Research and Development Internship in Endurance Project in LSTS (Laboratório de Sistemas e Tecnologia Subaquática / Underwater Systems and Technology Laboratory) at Faculty of Engineering of University of Porto (FEUP)
- Research and Development Project based in the context of remote control of AUVs (Autonomous Underwater Vehicles) with a continuous operation duration of more than 48 hours, using the RIPPLES and NEPTUS frameworks/tools, developed by LSTS (Laboratório de Sistemas e Tecnologia Subaquática / Underwater Systems and Technology Laboratory)
- Development of some features to RIPPLES and NEPTUS frameworks/tools, using Java and Spring Boot framework

# LANGUAGES

### Other Languages:

Italian Romanian Japanese Mandarin/Chinese Creole



Storyteller

# SOFT SKILLS

### Communication Skills:

Able to Listen

Nonverbal Communication Persuasive

Reading Body Language

### ▲ Critical Thinking:

Adaptable Artistic Sense Creativity

Design Sense Desire to Learn

Flexible Innovative Problem Solving

Research | Thinking Outside the Box

Willingness to Learn

### C Leadership:

Deal-making Decision Making

Delegation Inspiring Leader

Management Mentoring Motivating

Supervising Talent Management

### Positive Attitude:

Confident Cooperative Courteous

Energetic Enthusiastic Friendly

Hard-working (18/24) High Energy

Honest Patient Respectable

Sense of Humor

### Teamwork:

Collaborative

**Dealing with Difficult Situations** 

Empathetic Influential Networking
Social Skills Team Player

### 

Attentive Competitive Dedicated
Independent Motivated

Multitasking Perseverant Persistent

Planning Reliable Resilient

### IN PROFESSIONAL EXPERIENCE

### Scientific Researcher & Developer

NOVA LINCS (Informatics' Labs at Faculty of Sciences and Technology, New University of Lisbon - Caparica Campus) and Carnegie Mellon University Portugal Program

- ## February 2017 January 2018
- Monte de Caparica, Setúbal, PT
- http://hyrax.dcc.fc.up.pt/
- http://nova-lincs.di.fct.unl.pt/
  https://www.fct.unl.pt/
- https://cracs.fc.up.pt/
  https://www.fc.up.pt/fcup/index.php
- http://www.cmuportugal.org/
- https://www.cmu.edu/
- Scientific Research and Development in Hyrax Project in NOVA-LINCS' Labs at Faculty of Sciences and Technology, New University of Lisbon - Caparica Campus (FCT NOVA | FCT-UNL)
- Research and Development Project based in the context of Edge Computing
- Developing work in the theme "A producer/consumer work queue eventually consistent in Android", under the supervision of Prof. Hervé Miguel Paulino
- Developing of a prototype in Android and Java, called Hyrax DiCE (Distributed Collaborative Computing at the Edge)
- Final Approval Grade: 17 of 20

### Waiter

### Delmare Café & Beach Club

- ## June 2016 August 2016
- Osta da Caparica, Setúbal, PT
- http://www.delmarecafe.com/pt-pt
- Wait service
- Organization of events (Weddings, Bachelor parties, Birthday parties, Night parties & Sunset parties)
- Bar service
- Cleaning service

### Information & Technology Support Technician

# RE/MAX Portugal and MaxFinance Portugal (RE/MAX Central and MaxFinance Central Offices)

- Movember 2012 March 2013
- Rato, Lisbon, PT
- https://www.remax.pt/
- https://www.maxfinance.pt/
- Enterprise's computers maintenance
- Marketing (Production of brochures & leaflets)
- Enterprise's social networks management (Facebook page management of the company)
- Emailing (Sending e-mails & info-mails to company's contacts)

### Professional Intern\Trainee

### **Fnac Portugal (Fnac Chiado Store)**

- Movember 2011 January 2012
- Paixa-Chiado, Lisbon, PT
- https://www.fnac.pt/
- Retail and stock replacement (Sections of Computers, Software, GPS & Mobile Phones)
- Event photographer "Encontro o Natal ao Anoitecer"
- Final Approval Grade: 17 of 20

# SOFT SKILLS

### Work Ethic:

Results-oriented | Self-directed

Self-monitoring | Self-supervising

Strategic Planning | Time Management

Trainable

# **♥** INTERESTS

### ☐ Computer Science & Engineering:

2D/3D Programming

Artificial Intelligence

Augmented & Virtual Reality

Autonomous & Intelligent Agents

Big Data | Bioinformatics

Cloud Computing | Compilers

**Computational Game Theory** 

Computer Architectures

Computer Games Computer Graphics

Computer Networks

**Computer Simulation** 

Computer Systems | Computer Vision

Computing | Concurrency & Parallelism

Cryptography Cybernetics

Cybersecurity

Data Analysis & Modelling Data Mining

Data Science Databases

Distributed Computing & Systems

Edge & Fog Computing

**High-Performance Computing** 

Informatics Internet of Things

Internet & Computer Network's Security

Logic | Logic Programming

Machine & Deep Learning

Mobile & Pervasive Computing

Mobile Communications

Multi-threading Systems

Neural Networks | Parallel Computing

**Quantum Computing** 

Robotics

## ACADEMIC EDUCATION

MSc. in Computer Science and Engineering

Faculty of Sciences and Technology of New University of Lisbon (FCT NOVA | FCT-UNL)

- 🛗 January 2019 Present
- Monte de Caparica, Setúbal, PT
- https://www.fct.unl.pt/
- # Final Global Points Average:
- Core Courses/Subjects Covered:

You can view some of my academic and personal projects by clicking in the links below:

- https://github.com/rubenandrebarreiro/
- https://gitlab.com/rubenandrebarreiro/
- https://bitbucket.org/rubenandrebarreiro/
- https://rubenandrebarreiro.github.io/



Internet & World Wide Web **Applications:** 

**Back-End Programming** 

Front-End Programming

**Full-Stack Programming** 

Web & Internet Applications' Design

Others:

**Business** Arts

Computer Engineering

**Computer Science** Design Drawing

Engineering Enterprise's Management

Fashion Fitness **Image Editing** 

Marketing Multimedia Music

Photography Science Poetry

Scientific Research Sport

Technology

## </> PROGRAMMING LANGUAGES

>\_ Imperative Languages:

Pascal

C



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Multi-paradigm Languages:

Visual Basic .NET

C++

Java

**OCaml (Objective Caml** 

C (CSharp)

**TypeScript** 

**Python** 

Go (Golang) Ruby

Lisp

Scala

Lua

Perl Julia

Statically Typed Languages:

**Kotlin** 



x<sup>2</sup> Multi-paradigm Numerical Computing **Environments:** 

**MATLAB** (Matrix Laboratory)



Low-level Languages:

Assembly



### ACADEMIC EDUCATION

### BSc. in Computer Science and Engineering

### Faculty of Sciences and Technology of New University of Lisbon (FCT NOVA | FCT-UNL)

- ## September 2013 June 2018
- Monte de Caparica, Setúbal, PT
- https://www.fct.unl.pt/
- # Final Global Points Average: 15 of 20
- Q Scientific Research at NOVA LINCS' Labs
- Core Courses/Subjects Covered:
- Calculus & Mathematics Analysis
- Algebra
- Algebraic Geometry
- Logic & Digital Systems
- Discrete Mathematics
- Low-level Programming
- **Object Oriented Programming**
- **Physics**
- Logic Programming
- **Operative Systems and Architectures**
- **Data Structures**
- **Probability Calculus**
- **Statistics**
- **Databases**
- **Functional Programming**
- Computer Networks Internet & Network Protocols
- Computer Graphics and 3D Interfaces
- Artificial Intelligence
- Searching Algorithms
- Genetic Algorithms
- **Neural Networks**
- Modelling of Programming Languages
- Graphs Theory & Algorithms
- **Linear Programming**
- Distributed Computing & Systems
- **Basic Notions of Internet Security**
- Multi-Threading

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- https://gitlab.com/rubenandrebarreiro/
- https://bitbucket.org/rubenandrebarreiro/
- https://rubenandrebarreiro.github.io/

### </> PROGRAMMING LANGUAGES

Markup Languages:

HTML (Hypertext Markup Language)

XML (Extensible Markup Language)

Interpreted Languages:

**JavaScript** 



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**♥ Style Sheet Languages:** 

CSS (Cascade Style Sheet)



Object-relational Database Languages:

**Microsoft:** 

**PostgreSQL** 

Microsoft SQL Server

MySQL **Oracle SQL** 



? Query and Functional Programming Languages:

XQuery (XML Query)



**■** Server-side Scripting Languages:

PHP (PHP: Hypertext Preprocessor)



Software Modelling Languages:

**UML (Unified Modelling Language)** 



 □ Declarative Languages for Software Modelling:

**OCL (Object Constraint Language)** 



Formal Modelling and Specification Languages:

VDM++

(Vienna Development Method ++)



Declarative Specification Languages:

Alloy



Declarative Logic Languages:

**Datalog** Prolog



☐ Mobile Development Languages:

Android iOS



# **m** HIGH SCHOOL EDUCATION

# Professional Course of Technician of Computer Management and Programming

### High School of Monte de Caparica

- ## September 2009 July 2012
- Monte de Caparica, Setúbal, PT
- https://www.aecaparica.pt/
- Final Global Points Average: 14 of 20
- Internship at Fnac Portugal (Fnac Chiado Store)
- Final Project "Scholar Auctions' Website"
- Core Courses/Subjects Covered:
- Operative Systems and Architectures
- Databases
- Basic Notions of Computer Networks
- Web Design
- Web Forms and Users' Data Validations

You can view some of my academic and personal projects by clicking on the links below:

- https://github.com/rubenandrebarreiro/
- https://gitlab.com/rubenandrebarreiro/
- https://bitbucket.org/rubenandrebarreiro/
- https://rubenandrebarreiro.github.io/



### Prof. Ana Luísa Custódio (FCT NOVA | FCT-UNL)

alcustodio@fct.unl.pt

Dept. Mathematics, Ed. VII - Office 54 Faculty of Sciences and Technology, New University of Lisbon, Caparica Campus, Setúbal, PT 2829-516 - Caparica, Portugal

### Prof. Hervé Miguel Paulino (FCT NOVA | FCT-UNL)

herve.paulino@fct.unl.pt

Dept. Informatics, Ed. II - Office P2/16 Faculty of Sciences and Technology, New University of Lisbon, Caparica Campus, Setúbal, PT 2829-516 - Caparica, Portugal

### Prof. Pedro Duarte Medeiros (FCT NOVA | FCT-UNL)

pdm@fct.unl.pt

Dept. Informatics, Ed. II - Office P3/9 Faculty of Sciences and Technology, New University of Lisbon, Caparica Campus, Setúbal, PT 2829-516 - Caparica, Portugal

# </> PROGRAMMING LANGUAGES

Preparation Languages for Documents,
Papers and Articles:

LaTeX



# MIDDLEWARE, APIS & FRAMEWORKS

Robotics Middleware:

**ROS (Robot Operating System)** 



APIs:

2D and 3D Programming:

WebGL OpenGL



Document-oriented Databases (NoSQL):

MongoDB



Real-time Computer Vision Libraries:

**OpenCV** 



Open-source Software Graphics Libraries:

Mesa3D (Mesa 3D Graphics Library)



Open-source Computer Tracking Libraries for Creation of Augmented Reality Applications:

**ARToolKit** 



\* Heterogeneous Computing APIs:

OpenCL (Open Computing Language)

or Distributed

Centralized Services for Distributed Systems:

Apache ZooKeeper



Open-source Streams-processing:

Apache Kafka



Web Services:

REST

(Representational State Transfer)



SOAP (Simple Object Access Protocol)



# \* VOLUNTEERING

### Civil Rights and Social Action's Volunteer

Lifeshaker Associação/Upgrading Participation E6G (Civil Rights and Social Action Initiative from Municipal Council of Almada)

- ## January 2018 March 2018
- Monte de Caparica, Setúbal, PT
- http://www.lifeshakers.blogspot.com/
- Participation and volunteering in the following social activities: Caparica Photovoice (Photography at Neighborhood), ABC do Judo (Judo's Training Classes), Diz Que Sim (Dancing's Classes), 123 Capacitar (Children's Didactive Games), De Mim Para Nós (Volunteering Services), AJA (Volunteering Services), Up Web (Design & Illustration), Corta o Preconceito (Videos' Productions), Micro Observatório Juvenil (Conversations, Interviews & Talks) and English Explanations (Preparatory School - 5th & 6th Year)

### Education's Volunteer

**ExpoFCT 2016 (Education Annual Event at Faculty of Sciences and** Technology, New University of Lisbon - Caparica Campus)

- April 2016 April 2016
- Monte de Caparica, Setúbal, PT
- https://www.expo.fct.unl.pt/
- The ExpoFCT it's an annual event of presentation of the College and its Educational Offer, that have the main goal to facilitate the choice of the superior formation to pre-university young people, through demonstrations/activities in the following Science and Engineering areas: Cell & Molecular Biology, Biochemistry, Conservation-Restoration, Mathematics, Applied Chemistry, Environmental Eng., Biomedical Eng., Civil Eng., Electrical & Computer Eng., Physics Eng., Geological Eng., Micro & Nanotechnologies Eng. and Chemical & Biochemical Eng.
- Volunteering in the following activities, at ExpoFCT 2016: Fiat Lux À boleia dos fotões! and Pong

### Education's Volunteer

AlmadaForma (Education Initiative from High School of Monte de Caparica)

- **#** June 2012 July 2012
- Monte de Caparica, Setúbal, PT
- https://www.almadaforma.net/
- Craftworks and handicrafts (Social Initiatives from High School of Monte de Caparica and Municipal Council of Almada)
- Management of documents (Certifications and Diplomas of some students that frequented some courses of the AlmadaForma's Training Center in High School of Monte de Caparica

# MIDDLEWARE, APIS & FRAMEWORKS

APIs:

>\_ Run-time Environments:

Node.is



Frameworks:

★ Intelligent Multi-agent Systems:

**JADE** (Java Agent

**Development Framework)** 



Applications and Inversion of **Control Containers:** 

Spring Boot Framework



♣ Object-relational Mapping Tool:

Hibernate ORM



JavaScript-based Open-source Framework for Front-end Web **Applications:** 

> AngularJS (Angular.js) Vue.js (Vue)



PHP-based Open-source Framework for Web Applications:

Laravel



Open-source Front-end Framework for Developing Websites and Web Applications:

**Bootstrap** 



**♣** Open-source Framework for Working with Noisy Quantum Computers at the Level of Pulses, Processors, Circuits, and Algorithms:

**QISKit** 



Mobile Application Development Frameworks:

> **Apache Cordova** Ionic





### Gym & Bodybuilding/MMA & BJJ Training Classes

### Fox Gym/GFTeam Porto (Paranhos)

- Marquês, Porto, PT
- https://www.foxgym.pt/
- http://www.gfteam.site/
  - https://www.fpjjb.com/gfteamparanhos/
- Gym, bodybuilding, fitness and weight training
- Mixed Martial Arts & Brazilian Jiu-Jitsu training classes supervised by Prof. Alexsandro Almeida "Leko" (BJJ Black Belt Graduated)

### Gym & Bodybuilding

### Ginásio Super Olímpia

- September 2015 November 2015
- ♀ Laranjeiro, Setúbal, PT
- Attps://www.ginasiosuperolimpia.pt/
- Gym, bodybuilding, fitness and weight training

### Gym & Bodybuilding

### Ginásio Transformer

- Cotober 2011 December 2011
- Almada, Setúbal, PT
- Gym, bodybuilding, fitness and weight training

### Soccer/Football

### Monte de Caparica Atlético Clube (MCAC)

- 🛗 January 2010 October 2010
- Monte de Caparica, Setúbal, PT
- Goalkeeper and central back at Junior's team squad
- Football Association of Setúbal's 2nd League Complementary Tournament for Juniors A/Sub 19 players

### Gym & Bodybuilding

### **Girassus Fitness Club**

- September 2018 Present
- ♀ Laranjeiro, Setúbal, PT
- Gym, bodybuilding, fitness and weight training

### **Swimming**

### Sociedade Filarmónica União Artística Piedense (SFUAP)

- 🛗 September 1998 May 2002
- ♥ Cova da Piedade, Setúbal, PT
- https://www.sfuap.pt/
- Swimming for children by Primary School's recreation centre

# 

### IDEs & Programming Tools:

Turbo Pascal Eclipse IDE NetBeans IDE



### Jet Brains:

App Code CLion Datalore DataGrip GoLand IntelliJ IDEA PhpStorm PyCharm Rider

**RubyMine** 

WebStorm



### **Microsoft Visual Studio:**

Microsoft Visual Code Xamarin for Visual Studio



Unity3D



**G** Google:

**Android Studio** 



**Apple:** 

Xcode



Assemblers & Compilers:

Free Pascal Jasmin



Text Editors:

Notepad++ Atom Brackets SublimeText



PL/SQL Editors:

**Oracle SQL Developer** 

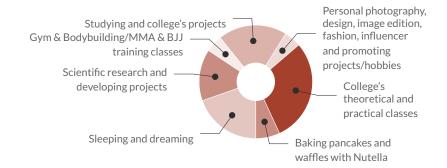


**Database Development Environment:** 

Oracle APEX (Oracle Application Express)



# A DAY OF MY LIFE



# **AWARDS AND ACTIVITIES**

- Organizer of "Desfile do Caloiro 2015" at Faculty of Sciences and Technology, New University of Lisbon (FCT NOVA | FCT-UNL)
- Winner of "Desfile do Caloiro 2013" at Faculty of Sciences and Technology, New University of Lisbon (FCT NOVA | FCT-UNL)
- Vice-winner of "Baile de Finalistas 2013" at High School of Monte de Caparica

# SOFTWARE ATFORMS & TOOLS

**A** Virtualization: Hardware (Independent Hypervisors): Oracle VM VirtualBox QEMU (Quick Emulator) **VMware Workstation** Operative System Level (Application Containers): Docker 0000 **Idd** Data Science: RapidMiner Studio 00000 IoT & Cloud platforms: Atmosphere 00000 # Hardware Analysis, **Design and Synthesis:** Xilinx ISE 00000 **≡** Software Stack: WampServer **△** Administration Tools: phpMyAdmin Version-control Systems: Web-based Hosting Services: **Atlassian Bitbucket GitHub GitLab Git Clients: Atlassian Sourcetree** GitHub Desktop GitKraken git Branching Models for Git: **GitFlow** 00000 **OTHERS** 

Serializing Data & File Formats:

**Google Protobuffers)** JSON (JavaScript Object Notation)

Web Cross-browser **Animated 3D Computer Graphics:** 

Three.js



# A DRIVING LICENSE

OTHERS		
<b>C</b>	Interactive Diagrams and Gon the Web:	raphs
<b>a</b> *	Functional Reactive Program	mming:
	Meteor (MeteorJS) React (React.js/ReactJS)	•••••
&	Suite of Modular Libraries and Tools to Create Interactive Content on Open Web Technologies:	
	CreateJS: EaseIJS	•
	TweenJS	•••••
	SoundJS PreloadJS	00000
	Zöe	•••••
	Client-side Web Developme Techniques: AJAX (Asynchronous JavaScript	_
<b>JC</b>	AJAX Frameworks:	
	Google Web Toolkit	
	(GWT/GWT Web Toolkit)	•••••
4	Microsoft .NET Libraries Fra	ameworks:
	Server-side Open-sour	ce
	Web Development: ASP.NET	••••
	♣ Object-relational Mapping:	
	LINQ (Language Integrated Query)	
		•••••
	2D/3D Graphics and Ga Unity	ame Engines:
	Computer Operating System	ms:
	∆ Linux:	
	Ubuntu LTS Linux Mint	•••••

**Microsoft:** 

Microsoft Windows

# **Q** SCIENTIFIC RESEARCHES

### Hyrax Project

NOVA LINCS (Informatics' Labs at Faculty of Sciences and Technology, New University of Lisbon - Caparica Campus)

- 🛗 February 2017 January 2018
- Monte de Caparica, Setúbal, PT
- http://hyrax.dcc.fc.up.pt/
- http://nova-lincs.di.fct.unl.pt/
- https://www.fct.unl.pt/
- Attps://cracs.fc.up.pt/ https://www.fc.up.pt/fcup/index.php
- http://www.cmuportugal.org/
- https://www.cmu.edu/
- A 3rd year's scientific research and development project, of the BSc. degree
  made in FCT NOVA, done between February 2017 and January 2018. This
  project it's called Hyrax Project (Crowd-Sourcing Mobile Devices to Develop
  Edge Clouds). This project it's based in the context of Edge Computing. I did
  this scientific research and development project, representing NOVA LINCS
  (Informatics' Labs at Faculty of Sciences and Technology, New University of
  Lisbon Caparica Campus) and under the supervision of Prof. Hervé Miguel
  Paulino
- This project, had also the collaboration of Faculdade de Ciências da Universidade do Porto (INESC TEC/CRACS - Centro de Sistemas de Computação Avançada) and Carnegie Mellon University's School of Computer Science
- Developed work in the Services' section of the Hyrax Project, most precisely, developing a data structure (for DiCE section), to be replicated for Mobile and Handheld Devices, in a notion of collaborative network, using Crowd-Sourcing features and shifting all the data processing and information services closer to the final users
- LaTeX Article/Paper (Portuguese Version)
- Final Presentation

# PUBLICATIONS

# Scientific Research Papers

 Rúben Barreiro, Pedro Sanches, Filipe Cerqueira and Hervé Paulino (2018). Hyrax: DiCE - Computação Distribuída e Colaborativa na Períferia. NOVA LINCS (Informatics' Labs at Faculty of Sciences and Technology, New University of Lisbon - Caparica Campus).

# ARTS

Graphic Design and Photography:

Adobe Illustrator CC
Adobe Photoshop CC
Adobe Lightroom CC
Adobe Lightroom Classic CC

■ Video Editing:

Adobe After Effects CC Adobe Premiere Pro CC



Web Development:

Adobe Dreamweaver CC





Databases:

Microsoft Access



**Documents:** 

Microsoft Word



Presentations:

Microsoft PowerPoint



**■** Spreadsheets:

Microsoft Excel

