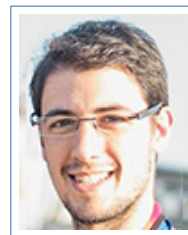


Eduardo Filipe Amaral Soares

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Academic Formation

2009–2014 **Network and Information Systems Engineer**, DCC, FCUP, Porto, *Msc.*
Specialised in Communication Networks

Professional Experience

- 2011 Half-time research grant (BIC at IT, Porto): Building a reliable environment (using (7 months) Multicast over WiFi 802.11) for data sharing, focused on medical data. Also known as "TelePalestra - A better way to share Knowledge";
- 2014 Half-time research grant (BIC at IT, Porto): Setup Wi-Fi 802.11 in mode IBSS (4 months) on Android devices. The result was an Android Application that enables this and inventory of the requirements for this application to work;
- 2014 - 2015 Full-time research grant (at FEUP, Porto): Project I-CITY-ICT for Future (7 months) Health under supervision of Pedro Brandão (pbrandao@dcc.fc.up.pt) and Rui Prior (rprior@dcc.fc.up.pt);
- 2015 Full-time research grant (at IT, Porto): Project Vital Responder 2.0 under supervision (3 months) of Ana Aguiar (aana@fe.up.pt) and Pedro Brandão (pbrandao@dcc.fc.up.pt).

Conferences, Open Days and Seminar participations

- 2013 Participation at SPMS (Serviços Partilhados do Ministério da Saúde) Open Day with a poster about "TelePalestra - A better way to share Knowledge";
- 2014 Participation at IJUP (Encontro de Investigação Jovem da Universidade do Porto): with the presentation "TelePalestra - A better way to share Knowledge";
- 2014 RTCM (Rede Telemática e de Comunicações Móveis) 2014 seminar: with the presentation "TelePalestra - A better way to share Knowledge";
- 2015 MedICT (Mediterranean Conference on Information & Communication Technologies) 2015 conference: with the presentation of the paper "Scalable Framework for Live Data Sharing through 802.11";

Papers

- 2014 Ana Aguiar, Eduardo Soares, Pedro Brandão, Tiago Magalhães, José Maria Fernandes, and Ilídio Oliveira. "Demo: wireless IP mesh on android for fire-fighters monitoring." In Proceedings of the 9th ACM MobiCom workshop on Challenged networks, pp. 89-92. ACM, 2014.

- 2015 Eduardo Soares, Pedro Brandão and Rui Prior. "Scalable Framework for Live Data Sharing through 802.11.", MedICT 2015.
- 2015 Eduardo Soares, Rafael Almeida, Cristina Oliveira, João Maia, Rui Prior, Miguel Coimbra and Pedro Brandão. "Usability of Health Kiosks for health self-assessment", CONFTELE 2015.

Computer Skills

Programming languages

Basic UML, Ocaml, Prolog

Intermediate C#, C++, Python, Javascript, Haskell, Perl, Linux Networking, Javascript, SQL

Expert Java, JavaFX, C, Android Development

Miscellaneous

Tools Eclipse, GIT, Netbeans, Android Studio

Other experiences

- **Android development:** more than 3 years of experience, building applications from scratch with usage of multiple activities, fragments, services and multi-threading. Also working outside the virtual machine using Super Administrator privileges;
- **Implementation of a ballot voting system in Java:** involving implementing RSA signatures, RSA ciphering and using Secure Sockets Layer (SSL);
- **Multi Operative Systems development:** developing applications and libraries that work on Android (Dalvik VM) and Windows/Linux (on JVM);
- **Reliable Multicast:** created a solution for reliable multicast, with delivery ordered and guaranteed;
- **Ad-Hoc on Android:** researched a solution to enable ad-hoc on Android OS, a easy set-up and enabler to supported phones. Project available on GitHub.

Languages

Portuguese **Native speaker and writer**

English **Acceptable speaker and writer**

Social Skills

- 2009 – Organization in a summer festival and member of the respective association (Mêda+, Present more info at medamais.pt of which I'm the manager and responsible);
- 2013 Monitor at summer school (Universidade Júnior 2013), teaching young teenagers (2 weeks) programming in a fun and easy way using Scratch;
- 2015 Helped showcase the Department of Computer Science's work at the Mostra UP in (4 days) 2015.