

PERSONAL INFORMATION

Francisco António Ferraz Martins de Almeida Maia

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 <http://gsd.di.uminho.pt/~fmaia>

Date of birth 12 September 1986

WORK EXPERIENCE

Present

Researcher

Stratus Project: A Layered Approach to Data Management in the Cloud

<http://stratus.lsd.di.uminho.pt>

Goal: The Stratus project aims at advancing the state of the art by skewing the current trade-off towards the needs of common business users, thus providing additional consistency guarantees and higher level data processing primitives that ease the migration from current DBMS. This requires determining adequate compromises and abstractions, and then devising mechanisms to realize them. The achievement of these goals is to be demonstrated by a proof-of-concept providing a conflict-free, strongly consistent data storage, with in-place processing capabilities, while allowing to leverage large computing infrastructures with distributed storage capabilities.

EDUCATION AND TRAINING

2004

High School

18 / 20

Escola Secundária Carlos Amarante, Braga (Portugal)

June 2003

Certificate in Advanced English

C

Cambridge University

December 2004

Certificate in Proficiency English

C

Cambridge University

2004 – 2007

BSc in Informatics Engineering

15 / 20

University of Minho, Braga (Portugal)

2007 – 2009

Master of Informatics Engineering (MSc)

17 / 20

University of Minho, Braga (Portugal)

Distributed Systems and Software Engineering

2010 – Present

MAP-i (MAP Doctoral Programme in Computer Science)

Joint venture of University of Minho, University of Aveiro and University of Porto, Braga (Portugal)

PERSONAL SKILLS

Mother tongue(s)

Portuguese

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
	Certificate of Proficiency in English (Level C2)				
Italian	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Effective communication skills developed by training and as a consequence of the ongoing PhD work. In fact, such work requires delivering several talks and presentations all over the world, in different cultural environments.

Organisational / managerial skills Currently on the national board of "AMU - Cooperação e Solidariedade Lusófona por um Mundo Unido", a portuguese non-governmental organization.
 Worked in several teams and committees for the organization of events for young people.
 Regularly participates in international, multicultural congresses as being part of an international organization (Focolar Movement).

ADDITIONAL INFORMATION

Publications

[DATAFLASKS: an epidemic dependable key-value substrate \(to appear\)](#)

Francisco Maia, Miguel Matos, Ricardo Vilaça, José Pereira, Rui Oliveira and Etienne Rivière
 In International Workshop on Dependability of Clouds, Data Centers and Virtual Computing Environments (DCDV 2013), Budapest, Hungary.

[MeT: Workload aware elasticity for NoSQL](#)

Francisco Cruz, Francisco Maia, João Paulo, Miguel Matos, Ricardo Vilaça, José Pereira and Rui Oliveira

In Eurosys 2013, Prague, Czech Republic, April 15-17, 2013

[Slicing as a distributed systems primitive.](#)

Francisco Maia, Miguel Matos, Etienne Rivière and Rui Oliveira

In 6th Latin-American Symposium on Dependable Computing (LADC'13), Rio de Janeiro, Brazil, April 1-5, 2013

[Sleat: low-memory, steady distributed systems slicing](#)

Francisco Maia, Miguel Matos, Etienne Rivière and Rui Oliveira

In 12th IFIP Distributed Applications and Interoperable Systems (DAIS), Stockholm, Sweden, June 13-16, 2012

[Worldwide Consensus](#)

(Best Paper Award)

Francisco Maia, Miguel Matos, José Pereira and Rui Oliveira

In 11th IFIP Distributed Applications and Interoperable Systems (DAIS), number 6723 in LNCS, 2011, Reykjavik, Iceland, June 6-9, 2011

[Scalable transactions in the cloud: partitioning revisited](#)

Francisco Maia, José Enrique Armendáriz-Iñigo, M. Idoia Ruiz-Fuertes, and Rui Oliveira

On The Move To Meaningful Internet Systems, The 12th International Symposium on Distributed Objects, Middleware, and Applications (DOA), Crete, Greece, Oct 25 - 27, 2010

About the Feasibility of Transactional Support in Cloud Computing

F. Maia, R. Oliveira, J.E. Armendáriz-Iñigo

The Eighth European Dependable Computing Conference (EDCC 2010)

Interests

Interested in Software Engineering, Distributed Systems, Gossip/Epidemic protocols and Cloud Computing.

Has worked with Java, Python, Lua, Splay, C, C#, Objective-C/Cocoa, Haskell.

ANNEXES

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- cambridge.pdf



UNIVERSITY of CAMBRIDGE

ESOL Examinations

English for Speakers of Other Languages

Level 3 Certificate in English (ESOL)*

This is to certify that
FRANCISCO ANTÓNIO FERRAZ MARTINS ALMEIDA MAIA

has been awarded

Grade C

in the

Certificate of Proficiency in English

Council of Europe Level C2

Date of Examination **DECEMBER 2004**

Place of Entry **OPORTO**

Reference Number **04CPT0058086**

Accreditation Number **1400/2034/2**

*This level refers to the UK National Qualifications Framework


Michael Milanovic
Chief Executive



Date of Issue **14/02/05**

Certificate Number **0013106106**

CERTIFICATE OF PROFICIENCY IN ENGLISH (CPE)

University of Cambridge ESOL (part of UCLES) provides examinations in English for speakers of other languages.

CPE is a general proficiency examination at Level C2 in the Council of Europe Common European Framework. It is at Level 3 in the UK National Qualifications Framework, as specified by the Qualifications and Curriculum Authority (QCA).

CPE is recognised as fulfilling English language entry requirements by many higher education institutions and corporate bodies across the world.

The examination has five papers: Reading, Writing, Use of English, Listening, Speaking.
Performance in CPE is indicated as follows:

Grade A (Very good)
Grade B (Good)
Grade C (Pass)

Successful performance in CPE indicates an advanced level of competence in English. Successful candidates can deal with material which is cognitively demanding and use language to good effect.

The Association of Language Testers in Europe (ALTE) has developed a framework which covers six levels of language proficiency aligned to the Council of Europe Common European Framework. Research carried out by ALTE has shown what language learners can typically do at each level.

The table below gives some examples at CPE level of typical general ability plus ability in each of the skill areas and in a range of contexts.

Typical abilities	Listening and Speaking	Reading and Writing
Overall general ability	CAN advise on or talk about complex or sensitive issues, understanding colloquial references and dealing confidently with difficult questions.	CAN understand various documents, including the finer points of complex texts, and CAN write letters and meeting notes with good expression and accuracy.
Social & Tourist	CAN understand detailed, complex discussions (for example in a radio interview). CAN talk about complex or sensitive issues without awkwardness.	CAN understand complex opinions/arguments as expressed in serious newspapers. CAN write letters on any subject with good expression and accuracy.
Work	CAN handle complex, delicate or contentious issues. CAN argue effectively for or against a case, and has sufficient language to be able to talk about/discuss most aspects of her/his work.	CAN understand reports and most articles including complex ideas expressed in complex language. CAN write quite lengthy reports with only the occasional, minor error, and without taking much longer than a native speaker.
Study	CAN understand colloquial asides and cultural allusions. CAN follow abstract argumentation, for example the balancing of alternatives and the drawing of a conclusion.	CAN access all sources of information quickly and reliably. CAN make accurate and complete notes during the course of a lecture, seminar or tutorial.

Any alteration to this certificate renders it invalid and use of an altered certificate could constitute a criminal offence.

If there is any doubt about the details recorded on the certificate, contact the local Cambridge ESOL centre for advice on verification procedures.

A † symbol next to the candidate's grade indicates that the candidate was exempt from satisfying the full range of assessment objectives in the examination.