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I am, since 2005, Assistant Professor at Universidade Nova de Lisboa (UNL) where I teach an advanced course on Algorithms and data structures and Formal languages and finite automata.

My first university degree was taken in 1998 on Software and Computer Engineering and he did my after course traineeship at the INESC laboratory in Lisbon.

In 1999 Vasco worked for CERN (European Organization for Nuclear Research) as a software engineer. There, I was involved with the ATLAS (A Thoroidal LHC Apparatus) experiment. While working for ATLAS, Vasco collaborated with the Faculdade de Ciências da Universidade de Lisboa and LIP (Laboratorio de Instrumentação e Física Experimental de Partículas).

From 1999 to 2003, I was coordinator of the database group at the High Energy Physics Experiment named Hera-B, in DESY Hamburg.

In 17th of February 2005 defended my Ph.D. thesis at the University of Mannheim, Germany, with the supervisor Prof. Dr. Guido Moerkotte. The task was to carry out research on methodologies to increase performance, specially concerning productivity, to the stage of data-mining in High Energy Physics. The Ph.D. thesis consisted on developing a domain specific visual query language for the purpose of physics data analysis (project PHEASANT).

PHEASANT has approached several major subjects in computer science like: Database internals, Query Languages, Visual Languages, Domain Specific Languages.

Nowadays I am focusing my main research interests into DSLs, DSMs and Model transformation issues and Multi-formalism modeling.

