

Luna De Ferrari

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Work and research

UNIVERSITY OF EDINBURGH, School of Informatics – Edinburgh
RESEARCH ASSOCIATE / SOFTWARE DEVELOPER (4 years contract) 12/2005 to today

Examples of responsibilities:

Research: Taverna workflows and Machine Learning with Weka for Bioinformatics, Bayesian learning of enzyme properties, database mining for Systems Biology

Teaching: Lecture preparation, marking and coordination for the Computational Systems Biology course (Master in Informatics)

Grants: collaborating to the RiboSys EU project for general IT and database advice.

PLAUT IMC (SAP Partner, branch of Plaut AG Germany) – Milano

BASIS COMPONENTS CONSULTANT 05/2001 to 07/2004

My responsibilities covered the entire lifecycle of SAP software for production and retail industries (ERP R/3 and Business Datawarehouse) from sizing to installation, from deployment to version upgrade of cluster production systems (10-300 users).

PROCTER & GAMBLE Research and Development Centre – Roma

INTERNSHIP 01/2001 to 04/2001

Publications

YEAR 2006 De Ferrari L, Aitken S. Mining housekeeping genes with a Naive Bayes classifier. BMC Genomics. 2006 Oct 30; 7:277.

<http://www.biomedcentral.com/content/pdf/1471-2164-7-277.pdf>

Studies

CURRENTLY **PHD CANDIDATE** at the School of Informatics, supervisor: Prof. Goryanin. Provisional topic: Database mining for pathway reconstruction.

YEAR 2004-05 **MSc IN INFORMATICS** at the University of Edinburgh (major in Bioinformatics, minor in Knowledge Management and Engineering). Average of marks: 74/100, Distinction awarded. MSc project (Supervisor: Dr. Stuart Aitken): Mining housekeeping genes with a Naïve Bayes classifier.

<http://www.inf.ed.ac.uk/publications/thesis/online/IM050255.pdf>

YEAR 2000 **BSc + MSc IN INDUSTRIAL BIOTECHNOLOGY** (Laurea - 5 years in Italy), Università Statale di Milano Bicocca – final mark 107/110.

Skills

PROGRAMMING: Java, BeanShell, Prolog, SQL, XML. LIBRARIES: Weka for data mining. GENERAL REPRESENTATION: UML, Protégé for Ontologies. DATABASES: MySQL, Oracle and MS SQL Server administration. OPERATING SYSTEMS: Windows (NT Server, 2000 Server, XP) and UNIX (Linux Debian/Ubuntu, HP-UX). APPLICATIONS: Open Office. Latex. Taverna for bioinformatics workflows.

Languages

Italian, English, French and Spanish (from mother tongue to decent)