ROBERTO VERDECCHIA

PERSONAL INFORMATION

Born in Florence, Italy, 22 May 1988

roberto.verdecchia@gssi.it

(IT) +39 320 1125 268

EDUCATION

Double PhD Candidate	**VRIJE UNIVERSITEIT AMSTERDAM, GRAN SASSO SCIENCE INSTITUTE**
November 2016 - present	Double PhD candidate at the Vrije Universiteit Amsterdam and Gran Sasso Science Institute. Principal research interests focus on Architectural Technical Debt, Software Quality and Evolution, Software Energy Efficiency, Software Testing. For teaching activities refer to section "Teaching Assistant".
2014 - 2016	**VRIJE UNIVERSITEIT AMSTERDAM**
Master of Computer Science	*Software Engineering Specialisation* · GPA: 8.5 Master Thesis: *Static and Dynamic Analysis of Software Energy Effciency in Industry.* Supervisor: Dr. Patricia LAGO.
2010 - 2014	**UNIVERSITY OF FLORENCE**
Bachelor of Computer Engineering	*B.Eng Computer Engineering* · GPA: 8.3 Bachelor Thesis: *Algorithm for meteorological naval routing as an N-stage decisional process.* Supervisor: Dr. Fabio SCHOEN.

WORK EXPERIENCE

Teaching Assistant *June 2015 - present*	**VRIJE UNIVERSITEIT AMSTERDAM** Teaching assistant of MSc and BSc Computer Science courses. Primary responsibilities: tutoring students, supervising MSc projects, conducting exercise sessions, correcting exams and deliverables, managing e-learning platforms, attending weekly meetings with instructors to align course content, material, and grading criteria. Courses: Software Architecture (MSc), Service Oriented Design (MSc), Software Testing (MSc), Software Modeling (BSc), Service Science (BSc).
Graduate Research Intern *April 2016 - October 2016*	**KPMG** Graduate research intern focusing on the analysis of a software product developed by KPMG. Main tasks: Architecture reconstruction, static and dynamic analysis of code bases, server management, performance testing, automation scripting and statistical data analysis. This activities were carried out as integrating part of the Master Thesis project.
Software Engineer Intern *June 2015 - August 2015*	**OMALA** Requirements engineering for the *Airport Garden City* IT infrastructure project at the Lelystad Airport business park.
Programmer, Web Developer *2014 - 2016*	**FREELANCE DEVELOPER** Developed applications for private costumers. Technologies used ranged from programming languages such as C++, HTML, PHP, JAVASCRIPT and PYTHON to relational database management systems.

References available upon request.

PUBLICATIONS

R. Verdecchia, F. Ricchiuti, A. Hankel, P. Lago and G. Procaccianti. *Green ICT Research and Challenges*. In *Advances and New Trends in Environmental Informatics: Stability, Continuity, Innovation, pp.37-48*. Springer. 2017.

R. Verdecchia, G. Procaccianti, I. Malavolta, P. Lago and J. Koedijk. *Estimating Energy Impact of Software Releases and Deployment Strategies: the KPMG Case Study*. In *Empirical Software Engineering and Measurement (ESEM)*. 2017.

B. Miranda, E. Cruciani, R. Verdecchia, A. Bertolino. *FAST Approaches to Scalable Similarity-based Test Case Prioritization*. In *International Conference Software Engineering (ICSE)*. 2018.
(Accepted for publication)

COMPUTER SKILLS

Advanced   PYTHON, R, Linux OSs, LATEX, BASH

Intermediate   JAVA, C++, JAVASCRIPT, MYSQL, POWERSHELL

Basic   PHP, HTML, CLOJURE

OTHER INFORMATION

Languages   ITALIAN   ·   Native Speaker
GERMAN   ·   Native Speaker
ENGLISH   ·   Fluent   ·   CEFR C1
SPANISH   ·   Fluent   ·   CEFR B1
Basic knowledge of DUTCH

May 2, 2018