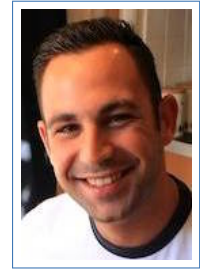


Andrea Stocco

Curriculum vitae



+39 328 5915411
✉ andrea.stocco@dibris.unige.it
🌐 www.disi.unige.it/person/StoccoA

Personal Data

Birth Place Imperia, August 18th, 1985 Citizenship Italian
Residence Piazza Remondini 1/1, Genova, Italy Status Single

Education

- 2017 (exp.) **PhD in Computer Science and Systems Engineering**, *University of Genoa*, Italy.
- 2013 **MSc in Computer Science**, *University of Genoa*, Italy.
- 2011 **MSc Cyber Security (EU Erasmus program)**, *Tallinn University of Technology (1st semester) and Tartu University (2nd semester)*, Estonia.
- 2010 **BSc in Computer Science**, *University of Genoa*, Italy.

Work Experience

University

- 2015 **Teaching Assistance**, *DIBRIS - Department of Computer Science, Bioengineering, Robotics and Systems Engineering*, Università degli Studi, Genova.
 - SOFTWARE ENGINEERING
- 2014 **Teaching Assistance**, *DIBRIS - Department of Computer Science, Bioengineering, Robotics and Systems Engineering*, Università degli Studi, Genova.
 - INTRODUCTION TO PROGRAMMING
 - COMPUTER SCIENCE FOR BIOLOGY

Conferences/Summer Schools

- 2016 **Full and demo paper presentations**, *ICWE 2016*, Lugano, Switzerland.
- 2016 **Student Volunteer**, *MOVEP 2016*, Genova, Italy.
- 2015 **Full paper presentation**, *AST 2015*, Florence, Italy.
- 2014 **Full paper presentation**, *WOSAR 2014*, Naples, Italy.
- 2014 **Demo paper presentation**, *SCAM 2014*, Victoria, BC, Canada.
- 2014 **Student Presentation**, *TAROT (Training And Research On Testing) summer school*, Porto, Portugal.
- 2013 **Student Volunteer**, *EDBT/ICDT 2013 Joint Conference*, Genova, Italy.

Reviewer

- 2016 **External Reviewer**, *SANER, ESEM-Era Track*.
- 2015 **External Reviewer**, *TSE, JSS, IST, IET, TESTBEDS*.
- 2014 **External Reviewer**, *ESEM, ICPC, ICSME-Era Track, ICST, SCAM, EMSE journal*.

Awards and Grants

- 2016 **Best Student Paper Award and Distinguished Paper Award**, *ICWE 2016*.
- 2014 **Travel Grant**, *SCAM 2014*.

2010 **EU Erasmus program Grant**, Tallinn University of Technology and University of Tartu.

Languages

Italian **Excellent**

Mothertongue

English **Good**

B2 Level, refined with abroad study experiences

Tech Background

OS	MacOS, Unix/Linux, Windows	Languages	Java, C, C#, HTML5, PHP, JS
Testing	JUnit, NUnit, Selenium Framework, Sikuli	DBMS	MySQL, Postgres, MongoDB
Versioning	SVN, Git	Tipography	LaTeX

Publications

M. Leotta, A. Stocco, F. Ricca, and P. Tonella, "ROBULA+: An algorithm for generating robust XPath locators for web testing," *Journal of Software: Evolution and Process*, pp. 28:177–204, 2016.

A. Stocco, M. Leotta, F. Ricca, and P. Tonella, "APOGEN: automatic page object generator for web testing," *Software Quality Journal*, pp. 1–33, 2016.

M. Leotta, A. Stocco, F. Ricca, and P. Tonella, "PESTO: Automated migration of DOM-based web tests towards the visual approach," *Software Testing, Verification And Reliability*, p. (under review).

A. Stocco, M. Leotta, F. Ricca, and P. Tonella, "Clustering-aided page object generation for web testing," in *Proceedings of 16th International Conference on Web Engineering, ICWE 2016*, pp. 132–151, Springer, 2016.

A. Stocco, M. Leotta, F. Ricca, and P. Tonella, "Automatic page object generation with apogen," in *Proceedings of 16th International Conference on Web Engineering, ICWE 2016 - Demo Track*, pp. 533–537, Springer, 2016.

M. Hammoudi, G. Rothermel, and A. Stocco, "WATERFALL: An incremental approach for repairing record-replay tests of web applications," in *Proceedings of 24th ACM SIGSOFT International Symposium on the Foundations of Software Engineering, FSE 2016*, p. (to appear), 2016.

A. Stocco, M. Leotta, F. Ricca, and P. Tonella, "Why creating web page objects manually if it can be done automatically?," in *Proceedings of 10th IEEE/ACM International Workshop on Automation of Software Test, AST 2015*, pp. 70–74, IEEE/ACM, 2015.

M. Leotta, A. Stocco, F. Ricca, and P. Tonella, "Meta-heuristic generation of robust XPath locators for web testing," in *Proceedings of 8th International Workshop on Search-Based Software Testing, SBST 2015*, pp. 36–39, ACM, 2015.

M. Leotta, A. Stocco, F. Ricca, and P. Tonella, "Using multi-locators to increase the robustness of web test cases," in *Proceedings of 8th IEEE International Conference on Software Testing, Verification and Validation, ICST 2015*, pp. 1–10, IEEE, 2015.

M. Leotta, A. Stocco, F. Ricca, and P. Tonella, "Automated migration of DOM-based to visual web tests," in *Proceedings of 30th ACM/SIGAPP Symposium on Applied Computing, SAC 2015*, pp. 36–39, ACM, 2015.

A. Stocco, M. Leotta, F. Ricca, and P. Tonella, "Pesto: A tool for migrating DOM-based to visual web tests," in *Proceedings of 14th International Working Conference on Source Code Analysis and Manipulation, SCAM 2014*, pp. 65–70, IEEE, 2014.

M. Leotta, A. Stocco, F. Ricca, and P. Tonella, "Reducing web test cases aging by means of robust XPath locators," in *Proceedings of 25th International Symposium on Software Reliability Engineering Workshops, ISSREW 2014*, pp. 449–454, IEEE, 2014.

F. Ricca, M. Leotta, A. Stocco, D. Clerissi, and P. Tonella, "Web testware evolution," in *Proceedings of 15th International Symposium on Web Systems Evolution, WSE 2013*, pp. 39–44, IEEE, 2013.