

CURRICULUM VITAE OF SIMONE SCALABRINO

November 21, 2016

1 General information

Simone Scalabrino was born in Campobasso, on March 28th, 1991. He currently lives in Campobasso, Contrada Lupara 20.

1.1 Contacts

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2 Education

He is currently a Ph.D. student at University of Molise, advised by Prof. Rocco Oliveto.

On July 24th 2015 he received (*magna cum laude*) a Master's Degree in Computer Science at University of Salerno, defending a thesis on Software Testing, entitled "Design and implementation of a tool for the automatic test case generation", advised by Prof. Andrea De Lucia.

On November 29th 2013 he received (*magna cum laude*) a Bachelor's Degree in Computer Science at University of Molise, defending a thesis on Software Quality, entitled "A new metric for measuring code readability", advised by Prof. Rocco Oliveto and Prof. Denys Poshyvanyk (College of William and Mary).

3 Projects

3.1 Research projects

From March to October 2015, he took part to the project "WISCH" (Working Into Shaping Campania Home), financed by Regione Campania and the

European Union. He won a scholarship entitled “Study, selection, definition and evaluation of structural testing methodologies for avionic software”.

3.2 Other projects

He contributed, in a team of 4 persons, to the project “Speed-it app”, selected for the final competition of SCORE-it (ICSE 2015). The “Speed-it app” application was experimentally used at the registration desk of the conference.

He managed a team of 12 persons in an inter-university project (University of Salerno and University of Molise). The application (MyUnimol) is currently published on the Play Store and widely used by students at University of Molise.

4 Conferences and schools

From September 13th to September 15th 2016 he participated to the “Unibz Summer School on Software Engineering” at University of Bolzano.

From June 13th to June 16th 2016 he participated to the “International Summer School on Software Engineering” at University of Salerno.

From March 1st to March 2nd 2016 he participated to the 1st edition of the “Days of Scientific Research” at University of Molise.

From September 8th to September 10th 2015 he participated to the “Unibz Summer School on Software Engineering” at University of Bolzano.

From June 16th to June 20th 2014 he participated to the “Summer School on Computer Vision and Pattern Recognition for Homeland Security” (VISMAL 2014) and he passed the final exam.

4.1 Courses

He held the course “Videogame development in Unity” for the first year of the undergraduate program in Computer Science at University of Molise.

4.2 Grants and awards

His paper “Improving Code Readability Models with Textual Features” received the ACM Distinguished Paper Award at the International Conference on Program Comprehension (ICPC) 2016.

He received the ACM SIGSOFT CAPS grant, supporting his participation to the 37th “International Conference on Software Engineering”.

5 Workshops and presentations

On May 16th 2016 he presented the paper “Improving Code Readability Models with Textual Features” at the International Conference on Program Comprehension (ICPC) 2016 in Austin, TX.

On March 2nd 2016 he presented the work entitled “Software vulnerabilities: an empirical classification based on programming language” at the first edition of the “Days of Scientific Research” at University of Molise.

On January 20th 2016 he held a seminar about genetic algorithms and evolutionary test case generation for the third year of the undergraduate program in Computer Science at University of Molise.

On May 23rd 2015 he presented the project “Speed it App” in the final phase of the “SCORE-it” competition, co-located with the 37th “International Conference on Software Engineering”.

6 Visiting student

From April to May 2016 he was a visiting student at Free University of Bolzano. In such a period, he took part to the project “RPMA - Mining Users’ Reviews to Support the Release Planning of Mobile Apps”, supervised by Prof. Gabriele Bavota.

From August to September 2013 he was a visiting student at College of William and Mary (Williamsburg, Virginia). In such a period, he carried out research in the field of code readability, supervised by Prof. Denys Poshyvanyk.

7 Other activities

He was selected as a student volunteer for the 38th “International Conference on Software Engineering” and he served under the supervision of Prof. Miryung Kim.

He was selected as a student volunteer for the 37th “International Confer-

ence on Software Engineering” and he served under the supervision of Prof. Filomena Ferrucci and Prof. Gordon Fraser.

I hereby declare to be informed, as per law 196/2003, that the personal data contained in such a resume will be treated as per law 196/2003.

Campobasso, November 21, 2016

Signature

Appendix A: Publications

- C3 **S. Scalabrino**, G. Grano, D. Di Nucci, R. Oliveto and A. De Lucia. *Search-based Testing of Procedural Programs: Iterative Single-Target or Multi-Target Approach?*. Proceedings of the International Symposium on Search Based Software Engineering, 2016, pages 64-79. ISBN 9783319471068.
- C2 **S. Scalabrino**, M. Linares-Vásquez, D. Poshyvanyk and R. Oliveto. *Improving Code Readability Models with Textual Features*, International Conference on Program Comprehension, 2016, pages 1-10. ISBN 9781509014286.
- C1 **S. Scalabrino**, G. Bavota, M. Di Penta and R. Oliveto. *Software Vulnerabilities: an Empirical Classification based on Programming Language*. Proceedings of the Days of Scientific Research, Department of Biosciences and Territory, 2016, pages 73-74. ISBN 9788896394199.

Submissions to International Conferences or Journals

- J1 **S. Scalabrino**, M. Linares-Vásquez, D. Poshyvanyk and R. Oliveto. *A Comprehensive Model for Code Readability*. Submitted to Journal of Software: Evolution and Process (Special Issue on ICPC).
- J2 **S. Scalabrino**, G. Bavota, B. Russo, R. Oliveto and M. Di Penta. *Listening to the Crowd for the Release Planning of Mobile Apps*. Submitted to ACM Transactions on Software Engineering and Methodology.
- C4 L. Ponzanelli, **S. Scalabrino**, G. Bavota, A. Mocci, R. Oliveto, M. Di Penta and M. Lanza. *Supporting Software Developers with a Holistic Recommender System*. Submitted to the International Conference on Software Engineering, 2017.
- BC1 **S. Scalabrino**, S. Geremia, R. Pareschi, M. Bogetti and R. Oliveto. *Freelancing in the Economy 4.0 - How information technology can (really) help*. Submitted as a candidate Book Chapter for “Social Media for Knowledge Management Applications in Modern Organizations” by F. Di Virgilio.