

# giovannigrano

ph.d. student @ uzh

## contact

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## languages

italian mother tongue  
fluent english

## programming

Java, Python  
Swift, Bash  
R,  $\text{\LaTeX}$   
COBOL

## other skills

OO Programming  
Project Management  
iOS Development  
UML

## about

I was born in Campobasso (Italy) on April, 24th, 1990. I received (cum laude) the Bachelor's Degree in Computer Science from the University of Molise (Italy) in 2013, advised by Prof. Rocco Oliveto. Afterwards I moved to the University of Salerno, where in 2015 I received my Master's Degree (cum laude) in Computer Science, advised by Prof. Andrea De Lucia, defending a thesis on Search Based Software Testing.

Just after my M.Sc. I worked for one year as IT Analyst and Developer at Cedacri S.p.A., as a developer for the banking sector. In November 2016 I started my Ph.D., joining the s.e.a.l. group at the University of Zurich.

## education

- 2016 - now **Ph.D. Student** in Informatics University of Zurich, Switzerland  
Research Assistant in Software Evolution and Architecture Lab (s.e.a.l.) of the Prof. Harald Gall
- 2013 - 2015 **Master's Degree** in Computer Science University of Salerno, Italy  
Thesis: *Implementation and comparison of novel techniques for automated search based test data generation*  
Advisor *Prof. Andrea De Lucia*  
Final grade: *110/110 cum laude*
- 2009 - 2013 **Bachelor's Degree** in Computer Science University of Molise, Italy  
Thesis: *Un portale web per la pubblicazione delle attività di docenti universitari*  
Advisor: *Prof. Rocco Oliveto*  
Final grade: *110/110 cum laude*

## experience

- 10/15 - 9/16 **IT Analyst and Developer** Cedacri S.p.A., Italy  
Cedacri is the most important Italian company specialized in outsourcing services for the banking sector. I worked as an IT Analyst and Software Developer, mainly developing in COBOL, JS and C#
- 3/15 - 9/15 **Temporary Research Fellow** University of Salerno, Italy  
My work consisted on support the design of test environments with integration of methodologies for test scenarios generation. I collaborated to the design and implementation of OCELOT, a tool for search-based automated test case generation for C language

## awards

- Sep 2017 **HackZurich 2017** Zurich, Switzerland  
1st Place Esri Award @ HackZurich 2017
- May 2015 **ICSE 2015 SCORE-IT Award** Florence, Italy  
Finalist of SCORE-IT context during ICSE 2015

## personal projects

- May 2016 **MyUnimol@iOS** MyUnimol on App Store  
MyUnimol @ iOS is a native mobile app which allows the students of UNIMOL to smartly consult the details of their university career, such as exam degrees, available and enrolled exams, news, taxes and a lot more!
- May 2015 **Speed It App** SCORE-IT contest  
Speed It App is a system developed by a team of master student from University of Salerno, to participate at 2015 edition of ScoreIT context, during ICSE 2015. It is designed to speed up queues using a code QR in order to identify people before that their turn to be served arrive. With this project, *Team Molise* achieved final phase of SCORE-IT context which took place during ICSE 2015 edition
- Oct 2014 **My Unimol Web App** MyUnimol  
MyUnimol is a WebApp that fetches data from University of Molise's official students' portal (Esse3 system). Everything in this app is mobile optimized. I worked with a team composed of 4 people managing a distributed team of 12 developers, successfully managing and integrating the project
- Jun 2014 **Repominer Evo** RepominerEvo on GitHub  
Repominer Evo is a tool developed for the course of Software Engineer II at University of Salerno. It calculate a series of metrics useful for defect prediction based on entropy level in software packages

## certifications

- Jan 2016 **Machine Learning** Coursera certificate  
Machine Learning by Stanford University
- Nov 2016 **Data Visualization** Coursera certificate  
Data Visualization by University of Illinois at Urbana-Champaign
- Dec 2016 **Machine Learning: Classification** Coursera certificate  
Machine Learning: Classification by University of Washington

## publications

### conference publications

- [WAMA 17] Android Apps and User Feedback: A Dataset for Software Evolution and Quality Improvement  
Giovanni Grano, Andrea Di Sorbo, Francesco Mercaldo, Corrado A. Visaggio, Gerardo Canfora, and Sebastiano Panichella  
*Proceedings of the 2Nd ACM SIGSOFT International Workshop on App Market Analytics, 2017, Paderborn, Germany*
- [SSBSE 16] Search-Based Testing of Procedural Programs: Iterative Single-Target or Multi-target Approach?  
Simone Scalabrino, Giovanni Grano, Dario Di Nucci, Rocco Oliveto, and Andrea De Lucia  
*Search Based Software Engineering - 8th International Symposium, SSBSE 2016, Raleigh, NC, USA, October 8-10, 2016, Proceedings, 2016*

## teaching

### supervised students

2017 **Lucas Pelloni** Bachelor Student, University of Zurich  
GUI usability and testing of mobile applications

### assistant

Fall 2017 Assistant for Informatik 1 (Fall Semester) - University of Zurich  
Assistant for Software Maintenance and Evolution (Fall Semester) - University of Zurich  
Spring 2017 Teaching Assistant for Software Praktikum (Spring Semester) - University of Zurich

## professional services

### co-reviewer

2018 International Conference on Software Analytics, Evolution and Reengineering (**SANER**)  
2017 Automated Software Engineering (**ASE**)  
Seminar Series on Advanced Techniques & Tools for Software Evolution (**SATToSE**)