

Roberto Minelli

software engineer, researcher, geek, foodie, serial traveler

"Education is what remains after one has forgotten what one has learned in school." -Albert Einstein

Work

- 2018 — now **Postdoctoral Fellow**
REVEAL @ Software Institute (USI)
- 2012 — 2017 **Researcher and Teaching Assistant**
Università della Svizzera italiana (USI)

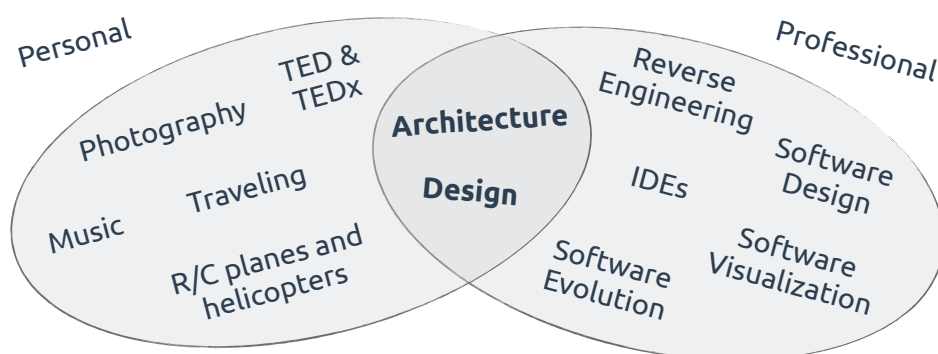
Education

- 2012 — 2017 **Ph.D. in Informatics**
REVEAL @ Software Institute (USI)
Research Advisor: Prof. Dr. Michele Lanza
Thesis: Interaction-Aware Development Environments
- 2010 — 2012 **Master of Science in Informatics – GPA 9.29/10**
Università della Svizzera italiana (USI)
Thesis: Software Analytics for Mobile Applications
- 2007 — 2010 **Bachelor of Science in Informatics – GPA 8.63/10**
Università della Svizzera italiana (USI)
Thesis: Commit 2.0 for Eclipse

Projects

- 2018 — now **Computational Urbanistics**
As part of the National Research Programme 75 "Big Data" (NRP 75), I am developing a platform to aggregate and visualize heterogeneous information about cities
- 2012 — 2017 **DFlow: A Profiler for IDE Interaction Data**
DFlow is an infrastructure to model, record, analyze, and leverage the interactions between developers and IDEs
- 2012 **SAMOA: A Software Analytics Platform for Apps**
SAMOA is a web-based software analytics platform to analyze mobile apps and discover their peculiarities
- 2010 **Commit 2.0 for Eclipse**
Commit 2.0 is a plugin for the Eclipse IDE that enriches commit comments with software visualizations

Me, Myself, and I



Contact

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Languages

Italian	Native
English	Fluent

Technical Skills

Java/Scala	★★★★★
Pharo/Smalltalk	★★★★★
VCS (Git/SVN)	★★★★★
Bash	★★★★☆
HTML & CSS	★★★★☆
JavaScript	★★★★☆

macOS	★★★★★
Windows	★★★★☆

Apple Keynote	★★★★★
Adobe CS	★★★★☆

Soft Skills

Communicator	Lifelong learner
Problem solver	Collaborative
Enthusiastic	

Extra

- 🇮🇹 Italian
- 🇨🇭 Swiss B EU/EFTA permit
- 🚗 Driving license (B) | Own car

Service and Collaborations

- 2019 **Organizer**
I co-organized MAINT 2019 (2nd International Workshop on Mining and Analyzing Interaction Histories) co-located with SANER in Hangzhou, China
- 2016 — 2019 **Organization (OC) and Program Committees (PC)**
*OC: ICSME (2019), VISSOFT (2019, '18);
PC: VISSOFT (2017, '16)*
- 2013 — 2017 **Speaker at Software Engineering Conferences**
I love to design slides. I presented the results of our research at Software Engineering conferences
- July 2015 **Visiting Researcher @ University of Chile**
I visited PLEIAD lab in Santiago (Chile) to collaborate with Prof. Robbes. Our work has been published at ICPC 2016
- May 2014 **Prof. Kobayashi visited REVEAL**
Prof. Kobayashi (Tokyo Institute of Technology, Japan), visited our lab. Our work has been published at QSIC 2014

Awards

- 2013 — 2015 **CHOOSE Sponsorships**
CHOOSE, a special interest group of the Swiss Informatics Society, sponsored my travels to several conferences
- 2012 **Summa cum Laude (Master of Science)**
Università della Svizzera italiana (USI)
I obtained the Master degree with the highest degree of praise: "summa cum laude" awarded to the top graduates
- 2010 — 2012 **Scholarship for the Master in Informatics**
Università della Svizzera italiana (USI)
I obtained one of the 5 grants offered by USI, based on merit, to cover the tuition fee of the Master

Selected List of Publications

Visualizing the Evolution of Working Sets

Roberto Minelli, Andrea Mocci, Michele Lanza
VISSOFT 2016 (4th IEEE Working Conference on Software Visualization)

Taming the IDE with Fine-grained Interaction Data

Roberto Minelli, Andrea Mocci, Romain Robbes, Michele Lanza
ICPC 2016 (24th International Conference on Program Comprehension)

Measuring Navigation Efficiency in the IDE

Roberto Minelli, Andrea Mocci, Michele Lanza
IWESEP 2016 (7th IEEE International Workshop on Empirical Software Engineering in Practice) — 🏆 Best Paper Award

I Know What You Did Last Summer — An Investigation of How Developers Spend Their Time

Roberto Minelli, Andrea Mocci, Michele Lanza
ICPC 2015 (23rd International Conference on Program Comprehension)

Software Analytics for Mobile Applications - Insights & Lessons Learned

Roberto Minelli, Michele Lanza
CSMR 2013 (17th European Conference on Sw. Maintenance & Reengineering)

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References

Available upon request