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

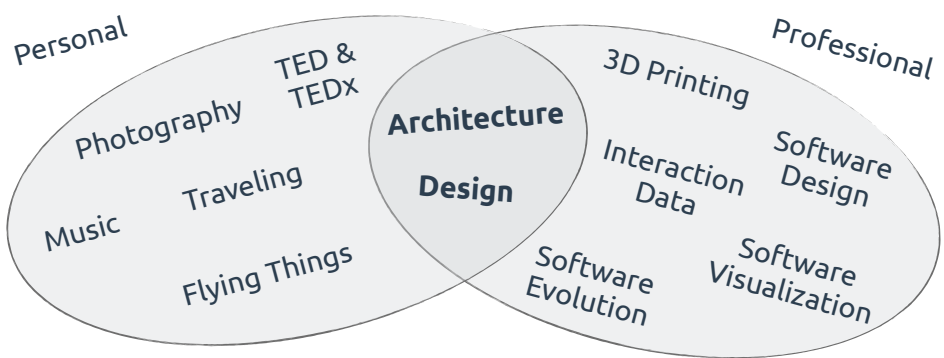|		
2021 — present	**Academic Coordinator**	
	Software Institute (USI)	
2018 — 2021	**Postdoctoral Fellow**	
	REVEAL @ Software Institute (USI)	
2012 — 2017	**Researcher and Teaching Assistant**	
	Università della Svizzera italiana (USI)	

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 — 2021
Computational Urbanistics
As part of the National Research Programme 75 "Big Data" (NRP 75), I worked on 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

Me, Myself, and I

Personal · Professional
Photography · TED & TEDx · Architecture · 3D Printing
Traveling · Design · Interaction Data · Software Design
Music · Flying Things · Software Evolution · Software Visualization

Contact

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Languages

Italian	Native
English	Fluent

Technical Skills

Java/Scala	★★★★☆
Pharo/Smalltalk	★★★★★
HTML & CSS	★★★★★
JavaScript	★★★★☆
Git	★★★★★
Bash	★★★★☆
Apple Keynote	★★★★★
Adobe CS	★★★★☆
3D Printing	★★★★☆

Soft Skills

Communicator
Lifelong learner
Problem solver
Collaborative
Enthusiastic

Extra

- Italian
- Swiss C EU/EFTA permit
- Driving license (B) | Own car

Service and Collaborations

| Since 2018 | **Internal Service & Outreach**
I acquire projects and mandates, organize events, conduct outreach activities, and act as a "bridge" between the research groups of the Software Institute |
| Since 2016 | **Academic Service**
I served 4 times as Program Chair and I have been part of dozens of OCs and PCs (e.g., ICSE, ICSME, ICPC) |
| 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 |
| Since 2014 | **Co-supervision of Students**
I co-supervised more than a dozen BSc projects and MSC thesis and I collaborated with many PhD students |
| Since 2013 | **Public Presentations at Conferences**
I love to design slides. I presented the results of our research at many Software Engineering conferences |

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

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)

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

Visualizing the Evolution of Working Sets
Roberto Minelli, Andrea Mocci, Michele Lanza
VISSOFT 2016 (4th IEEE Working Conference on Software Visualization)

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