

# 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)

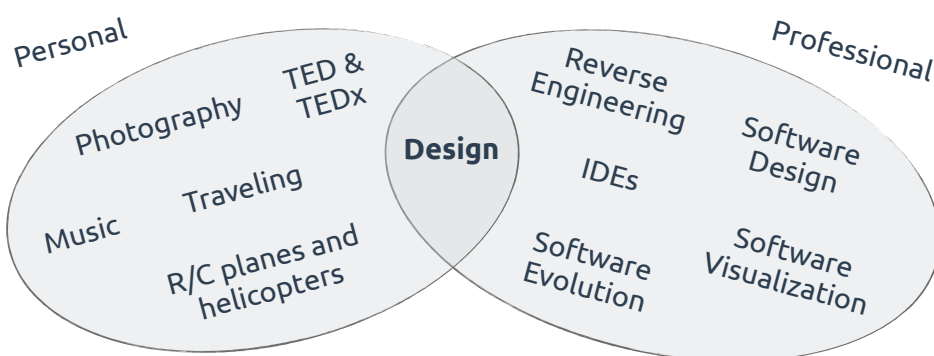
## Education

- 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

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- 2019 **Organizer**  
*I co-organized MAINT 2019 (2<sup>nd</sup> 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, 2018);  
PC: VISSOFT (2017, 2016)*
- 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

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- 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

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### Visualizing the Evolution of Working Sets

Roberto Minelli, Andrea Mocci, Michele Lanza  
*VISSOFT 2016 (4<sup>th</sup> IEEE Working Conference on Software Visualization)*

### Taming the IDE with Fine-grained Interaction Data

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

### Measuring Navigation Efficiency in the IDE

Roberto Minelli, Andrea Mocci, Michele Lanza  
*IWESEP 2016 (7<sup>th</sup> 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 (23<sup>rd</sup> International Conference on Program Comprehension)*

### Software Analytics for Mobile Applications - Insights & Lessons Learned

Roberto Minelli, Michele Lanza  
*CSMR 2013 (17<sup>th</sup> European Conference on Sw. Maintenance & Reengineering)*

## Contact

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## References

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Available upon request