

# Roberto Minelli

software engineer, researcher, geek, foodie

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



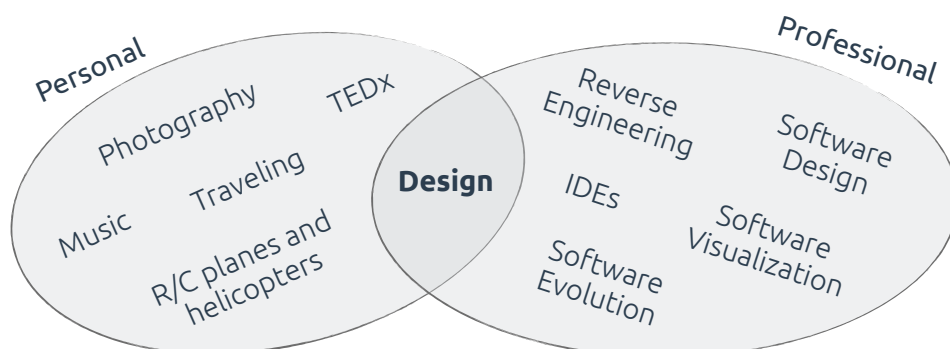
## Education

- 2012 — 2017 **Ph.D. in Informatics**  
REVEAL @ Università della Svizzera italiana (USI)  
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

- 2012 — 2016 **DFlow: A Profiler for IDE Interaction Data**  
*I developed an infrastructure to record the interactions between developer and IDE. I leveraged this data to analyze developers' behaviors and devise supporting tools*
- 2012 **SAMOA: A Software Analytics Platform for Apps**  
*I built SAMOA, a web-based software analytics platform to analyze mobile applications (apps). The tool provides a catalogue of visualizations to discover peculiarities of apps*
- 2010 **Commit 2.0 for Eclipse**  
*I developed a plugin for the Eclipse IDE that enriches each commit comment with an annotated software visualization*
- 2007 — 2012 **University Projects**  
*During my studies I carried out both personal and group projects using various technologies. Examples include web applications, games, software analytics platforms, etc.*

## Interests



## Contact

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## Languages

Italian	Native
English	Fluent

## Technical Skills

Pharo/Smalltalk	★★★★★
Java	★★★★★
SVN	★★★★★
Bash (Unix shell)	★★★★★
HTML & CSS	★★★★☆
JavaScript	★★★★☆
Scala	★★★☆☆
macOS	★★★★★
Windows	★★★★☆
Apple Keynote	★★★★★
Adobe Photoshop	★★★★☆

## 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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- July 2016 **VISSOFT 2016 – NIER & Tool Demo Track**  
*Program Committee Member*
- 2012 — 2015 **Teaching Assistant & Theses Co-Supervisor**  
*I served as teaching assistant (TA) for 6 B.S./M.S. courses and I co-supervised 3 M.S. theses and a B.S. thesis*
- 2013 — 2016 **Speaker at Software Engineering (SE) Conferences**  
*I love to design slides. I attended various SE conferences where I presented the results of our research*
- 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. Takashi 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**  
Università della Svizzera italiana (USI)  
*I obtained the Master of Science with the highest degree of praise: "summa cum laude" awarded to the top graduates*
- 2010 — 2012 **Master bursaries for the Master in Informatics**  
Università della Svizzera italiana (USI)  
*I obtained a grant, based on merit, from the Università della Svizzera italiana (USI), 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)

### Quantifying Program Comprehension with Interaction Data

Roberto Minelli, Andrea Mocci, Michele Lanza, Takashi Kobayashi  
QSIC 2014 (14<sup>th</sup> International Conference on Quality Software)

### Visualizing the Workflow of Developers

Roberto Minelli, Michele Lanza  
VISSOFT 2013 (1<sup>st</sup> IEEE Working Conference on Software Visualization)

## Contact

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## References

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Available upon request