

Yuriy Tymchuk

Doctoral Assistant

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*I'm a software engineer / computer scientist who likes researching new ideas, developing solutions, and teaching.
I am particularly interested in software maintenance and evolution, object-oriented and functional programming languages. Over the last years I made important code quality-assistance contributions to Pharo – an open source development environment.*

Personal Information

Date of Birth: Aug 11, 1991

Citizenship: Ukrainian

Place of Birth: Lviv, Ukraine

Marital Status: Married

Employment

Università della Svizzera Italiana

Oct 2013–Present

Doctoral Assistant

Modeling of developers collaboration, based on the data mined from software repository. Research on code quality and code review, development of ViDI and QualityAssistant projects. Assistance in teaching.

City Media Digital AS

Apr 2013–Sep 2013

Software engineer

Pre-project research concerning web-application for leanbusiness.no. Development of Relink project in ruby on rails and also javascript, html, css. Contributed to git/CI workflow of the team.

RMoD, Inria

Jan 2013–Apr 2013

Intern

Research on AST metamodels. Development of FAST generic metamodel and symbol resolution algorithm.

InterLogic

Aug 2012–Jan 2013

Software engineer

Development of a Java3D applet for ventilation system configuration, with a backend in PHP and MySQL.

Unikernel Team (freelance)

Mar 2010–Aug 2012

Founder/Leader

Different websites made from scratch. Usually online shops, sometimes web apps with rich frontend.

Ukrainian Academic Research Network

Feb 2009–Jul 2012

System Administrator

Network administration, minor web development.

Skills

Experienced: Pharo/Smalltalk, Ruby+Rails, Java, Agile, git, TDD

Familiar: HTML, CSS, JavaScript, Scala, Objective-C, Python, C++, Lisp, MySQL, MongoDB, Mercurial, SVN

Education

Master of Science <i>Ivan Franko National University of Lviv</i> Specialization in Informatics	2012–2013
Bachelor of Science <i>Ivan Franko National University of Lviv</i> Specialization in Informatics	2008–2012
Highschool diploma <i>Lviv Physics and Mathematics Lyceum</i> Specialization in Physics and Mathematics	2006–2008
Member of MASU <i>Minor Academy of Sciences of Ukraine</i> “Whimsical Bride” - the graduation research project about statistics theory	2006–2008

Publications

conferences.....

Code Review: Veni, ViDI, Vici, Y. Tymchuk, A. Mocci, and M. Lanza, In Proceedings of SANER'15 (22nd International Conference on Software Analysis, Evolution, and Reengineering), pp. 151–160, IEEE, 2015.

Collaboration in Open-source Projects: Myth or Reality?, Y. Tymchuk, A. Mocci, and M. Lanza, In Proceedings of MSR'14 (11th Working Conference on Mining Software Repositories), pp. 304–307, ACM, 2014.

formal demonstrations.....

ViDI: The Visual Design Inspector, Y. Tymchuk, A. Mocci, and M. Lanza, In Proceedings of ICSE'15 (37th IEEE/ACM International Conference on Software Engineering) - Volume 2, pp. 653–656, ACM, 2015.

doctoral symposium.....

Treating Software Quality as a First-Class Entity, Y. Tymchuk, In Proceedings of ICSME'15 (31st International Conference on Software Maintenance and Evolution), to be published, IEEE, 2015.

workshops.....

Generic Name Resolution with Metamodels, Y. Tymchuk, B. Arezki, A. Etien, N. Anquetil, and S. Ducasse, In Proceedings of BENEVOL'13 (12th edition of the Belgian-Netherlands software evoLution seminar), 2013.

theses.....

Extending FAMIX metamodel to generate ASTs for Java and Smalltalk applications (Mater's thesis), Y. Tymchuk, Ivan Franko National University of Lviv, Ukraine, 2013.

Teaching

Teaching Assistant

Sep 2015–Dec 2015

Università della Svizzera Italiana

Programming Fundamentals I

Teaching Assistant

Feb 2015–Jun 2015

Università della Svizzera Italiana

Bachelors Project

Teaching Assistant

Sep 2014–Dec 2014

Università della Svizzera Italiana

Programming Fundamentals I

Teaching Assistant

Feb 2014–Jun 2014

Università della Svizzera Italiana

Software Atelier IV

Service

Artifact Evaluation Committee Member

VISSOFT 2015

3rd IEEE Working Conference on Software Visualization

Languages

English: Proficient

Polish (spoken): Intermediate

Ukrainian: Mother Tongue

Russian (spoken): Intermediate

Italian: Basic

Hobby

Hiking, skiing, photography