Yuriy Tymchuk
Research Assistant

Schützenmattstrasse 14
CH-3012 Bern
Switzerland
✉ tymchuk@inf.unibe.ch
🌐 yuriy.tymch.uk

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.

Employment

Universität Bern   *Jan 2016 – Present*
Research Assistant
Reserch on software quality and evolutionary monitoring.

Università della Svizzera Italiana   *Oct 2013 – Dec 2015*
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.

Innocode   *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	*2012 – 2013*

Ivan Franko National University of Lviv
Specialization in Informatics

Bachelor of Science | *2008 – 2012*

Ivan Franko National University of Lviv
Specialization in Informatics

Highschool diploma | *2006 – 2008*

Lviv Physics and Mathematics Lyceum
Specialization in Physics and Mathematics

Member of MASU | *2006 – 2008*

Minor Academy of Sciences of Ukraine
"Whimsical Bride" - the graduation research project about statistics theory

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), pp. 653–656, IEEE Press, 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

What if Clippy Would Criticize Your Code?, *Y. Tymchuk*, In Proceedings of BENEVOL'15 (14th edition of the Belgian-Netherlands software evoLution seminar), 2015.

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

Personal Information

Date of Birth: Aug 11, 1991   **Citizenship**: Ukrainian
Place of Birth: Lviv, Ukraine   **Marital Status**: Married

Languages

English: Proficient   **Polish (spoken)**: Intermediate
Ukrainian: Mother Tongue   **Russian (spoken)**: Intermediate
Italian: Basic

Hobby

Hiking, skiing, photography

Remarks for Nerds

This cv is written in LaTeX, versioned with git, hosted on GitHub and built with Travis CI