

# NATALIA TYMCHUK

## Personal Information

NATIONALITY: Ukrainian  
BORN: 9.02.1991



## Contacts

ADDRESS: Via G. Buffi 13,  
6904, Lugano, Switzerland  
EMAIL: [natalia.tymchuk@usi.ch](mailto:natalia.tymchuk@usi.ch)

## EDUCATION

- 2015 – now     **Ph.D. in Informatics**  
Università della Svizzera italiana, Lugano, Switzerland.  
Advisor: Prof. Dr. Michele LANZA
- 2012 – 2013     **Master of Science in Mathematics**  
Ivan Franko National University of Lviv, Ukraine.  
Master's project: "Properties of loxodromic function" | Advisor: Prof. Dr. Andriy KONDRATYK  
I got the diploma with honours.
- 2008 – 2012     **Bachelor of Science in Mathematics**  
Ivan Franko National University of Lviv, Ukraine.  
Bachelor's project: "Loxodromic functions" | Advisor: Prof. Dr. Andriy KONDRATYK  
Course work: "Convex functions" | Advisor: Prof. Dr. Andriy KONDRATYK
- 2004 – 2008     **Highschool diploma**  
Lviv Physics and Mathematics Lyceum  
Specialization in Physics and Mathematics

## EXPERIENCE AND PROJECTS

- MAR-SEP  
2014     Project: **Voronyj diagram builder for Roassal**  
Responsibilities: development of Voronyj (Voronoi) diagram builder in Pharo (Smalltalk dialect), using Roassal (agile visualisation engine).  
You can read more here: [natalia.tymchuk.me/RTVoronyjDiagram/](http://natalia.tymchuk.me/RTVoronyjDiagram/)  
This project won first place in Second Visualization Contest with Roassal.
- MAY-OCT  
2013     Project: **ODE solver for SciSmalltalk**  
*Google Summer of Code (mentored by ESUG)*  
Responsibilities: development ODE (Ordinary Differential Equations) solver for SciSmalltalk project in Pharo (Smalltalk dialect).  
You can read more about this project here: [gsoc2013.esug.org/projects/scismalltalk](http://gsoc2013.esug.org/projects/scismalltalk)  
or you can read more about what I did on my blog: [blog.natalia.tymchuk.me](http://blog.natalia.tymchuk.me).

## MASSIVE OPEN ONLINE COURSES

2013      **An Introduction to Interactive Programming in Python**  
Coursera Rice University. Completion Score: 96.4/100  
[See certificat](#)

2012      **Learn to Program: The Fundamentals**  
Coursera University of Toronto. Completion Score: 98,2/100  
[See certificat](#)

## LANGUAGES

UKRAINIAN:    Mothertongue  
ENGLISH:      Upper Intermediate  
GERMAN:      Basic  
ITALIAN:      Basic