NataliiaStulova

contact	experience	
nata.stulova@pm.me	2020-now	Senior Researcher <i>University of Bern</i> My main research focus is software documentation: its quality analysis and developing tools for improving it automatically. I am also working on techniques for supporting requirement engineering tasks in software development.
web:// s0nata.github.io LinkedIn:// nata-stulova	2019-2020	Scientist Swiss Federal Institute of Technology in Lausanne (EPFL) Switzerland I have worked on formal languages-based techniques for source code automatic documentation and summarization, and explored NLP-based approaches to software documentation analysis.
PhD in Software, Systems and Computing cum laude 2014–2018	2014-2018	Research Assistant IMDEA Software Institute Spain My research focus has been specification-based software verification: how to write formal specifications of program behavior, how to introduce non-trivial properties of programs, how to check them at run time, and how to do this efficiently.
Technical University of Madrid (UPM) MSc in Artificial	2012-2013	Research Intern Technical University of Madrid (UPM) Spain I have designed and developed the initial graphical user interface (GUI) for a multiagent airspace simulation system, prepared demos and documentaiton.
Intelligence 2012-2013	research	
Technical University of Madrid (UPM)	SCAM'21	Do Comments follow Commenting Conventions? A Case Study in Java and Python code comments analysis • software documentation • coding style guidelines • coding standards
BSc in Systems Analysis 2008–2012 National Technical University of Ukraine "Kyiv Polytechnic Institute" (NTUU "KPI")	JSS'21	RepliComment: Identifying Clones in Code Comments code comments analysis • natural language processing • code clones • code smells
	LowCode'21	Interactive Behavior-driven Development: a Low-code Perspective behavior-driven development *acceptance testing *low-code *no-code
	SCAM'20	Towards Detecting Inconsistent Comments in Java Source Code Automatically software documentation • natural language processing • software quality
	PPDP'18	Static Performance Guarantees for Programs with Run-time Checks resource usage analysis * assertions * declarative programming * run-time verification
programming	PADL'18	Exploiting Term Hiding to Reduce Run-time Checking Overhead declarative programming * module systems * assertions * abstract interpretation * run-time checking
Java, C++ Prolog ŁTEX bash	SCP'17	Some Trade-offs in Reducing the Overhead of Assertion Run-time Checks via Static Analysis abstract interpretation * assertions * run-time checking * logic programming * horn clauses
	ICLP'15	Practical Run-time Checking via Unobtrusive Property Caching assertions * property caching * memoization * run-time checking
languages	PPDP'14	Assertion-based Debugging of Higher-Order (C)LP Programs higher-order • assertions • run-time checking • declarative programming
native Ukrainian Russian proficient English Spanish intermediate German beginner French Hebrew	other qua	alifications
	2020-2021	Lecturer online and in-person teaching • lecture video recording • course design Taught the Java Crash Course and Algorithms and Data Structures parts of the Software Skills Lab, a 5 ECTS course of the Joint Master in Computer Science program of the BeNeFri universities.
	2020-now	Development Volunteer Webmaster requirements gathering • no-code web development Consulting a Dnipro-based cultural space KsiProstir on website development and maintenance.
	2017	Workshop Chair Organizer web presence • talk scheduling • submission review Co-organized CICLOPS'17 – 15th International Colloquium on Implementation of Constraint and LOgic Programming Systems.