Ekaterina Shemetova Curriculum Vitae

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EDUCATION	Saint-Petersburg Academic University (September 2019 — present) Ph. D. student in Theoretical Computer Science. Saint-Petersburg National Research University of Information Technologies, Mechanics and Optics (ITMO University) (September 2017 — June 2019) Master in Software Engineering, thesis «On the CFL-reachability problem».
WORK EXPERIENCE	JetBrains, Researcher, September 2019 – present. Saint-Petersburg State University, Research Engineer, January 2019 – present. Positive Technologies, Summer internship, Practical information security, 2016. Knight Frank, Software Developer, IT-support engineer, June 2012 – September 2017.
RESEARCH INTERESTS	Formal language theory and applications, dynamic graph algorithms, static code analysis, information security, fine-grained complexity.
TEACHING	«Dynamic graph algorithms» block («Graph theory» course, SPSU)
STUDENTS	Alexandra Olemskaya, BS student, HSE, February 2021 – June 2021, had her bachelor degree with thesis «On some special cases of the CFL-reachability problem». Alexandra Istomina, MS student, SPBSU, February 2021 – present, thesis «Fine-grained reductions around the CFL-reachability problem».
GRANTS	
	«Logical and algebraic methods in formal language theory» (under supervision of Alexander Okhotin), 2019 — present.
PUBLICATIONS	