Pafos, Cyprus May 2023 – Sept 2023

Artem Semidetnov

 Saint-Petersburg

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Education		
BS	Saint-Petersburg State University, Mathematics	2021 – 2025
BS	Neapolis University Of Pafos, Applied Computer Science JetBrains Program	2022 - 2024
Pub	lications	
Artei	ne geometry of free nilpotent groups ☑ n Semidetnov, Ruslan Magdiev s://doi.org/10.48550/arXiv.2106.00095 ☑	May 2021
Awa	rds and Scholarships	
	larship by "Rodnye Goroda" (a social investment program of PJSC "Gazprom neft"), 202 rains Scholarship in Neapolis University	23-2024
Teac	hing Experience	
	s educational center, Teaching assistant on the course "Groups of intermediate th" ☑	Sochi, Russia Apr 2024 – May 2024
	oratory for continuous mathematical education , mathematics teacher for gifted ents. I was teaching introduction to group theory.	2021 - 2023
	nematics and Computer Science faculty program for prospective students, Teachssistant on the course "Braid and knot theory"	June 2023
Sele	cted Talks	
	he geometry of free nilpotent groups Siberian summer conference	Novosibirsk, Russia 2021
	the Poisson boundary of lamplighter groups" 🗹 St. Petersburg Seminar on Representation Theory and Dynamical Systems	Saint-Petersburg
	sting numbers on braid and Thompson's groups'' ど Topological Methods in Dynamics and Related Topics VII	N.Novgorod 2024
Wor	k Experience	
•	I was developing the official library in the Arend language. I formalized different results in algebra and homotopy type theory, including following. Formalized Eckmann-Hilton argument, Eilenberg-Maclane spaces, Homologies of types.	Pafos, Cyprus June 2024 – Sept 2024
	Formalized automorphisms of groups, Schur's Lemma, Maschke's Lemma, Group actions characterizations. (Some of these results are in the 1.10 release 🗹)	

• Criteo has a ML tool that analyzes sites and produces word-2-vec representations. In IPONWEB I was trying to reverse-engineer the behaviour of this tool and analyze

IPONWEB (acquired by Criteo), Machine Learning Intern

its possible applications.

Miscellaneous _____

- Finalist of 2020 Intel ISEF
- · Intel ISEF alumni
- Winner of 2019 Baltic SEF, PDMI special prize in 2019 Baltic SEF
- 3rd team place in 2019 International Tournament of Young Mathematicians ☑ in Barcelona, Spain
- Organizer of the Euler International Mathematical Institute's functional analysis seminar

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- English level C1 (IELTS 8.0/9, taken in 2020, 2024)
- Invited judge in Saint-Petersburg Tournament of Young Mathematicians (since 2021)
- Created mathematical problem for 2024 International Tournament of Young Mathematicians (10th in here 🖒).
- Invited judge in International Tournament of Young Mathematicians 2024