Artem Semidetnov

♥ Saint-Petersburg☑ artemsemidetnov@gmail.com᠖ (921) 363-89-09

Education	
BS Saint-Petersburg State University, Mathematics	2021 – 2025
Publications	
On the geometry of free nilpotent groups	May 2021
Artem Semidetnov, Ruslan Magdiev	
https://doi.org/10.48550/arXiv.2106.00095 조	
Awards and Scholarships	
Scholarship by "Rodnye Goroda" (a social investment program of PJSC "Gazprom neft")	
Teaching Experience	
Sirius educational center, Teaching assistant on the course "Groups of intermediate growth" ☑	Sochi, Russia Apr 2024 – May 2024
Laboratory for continuous mathematical education, teacher	2021 – 2023
Work Experience	
JetBrains, Research Intern in HoTT and Dependent Types Lab	Pafos, Cyprus

- 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.
- Formalized automorphisms of groups, Schur's Lemma, Maschke's Lemma, Group actions characterizations. (Some of these results are in the 1.10 release 🗹)

IPONWEB (acquired by Criteo), Machine Learning Intern

• 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 its possible applications.

May 2023 - Sept 2023

Pafos, Cyprus

June 2024 - Sept 2024