

Experience

- 2023 **Recognize Researcher R2**, *International Center for Mathematical Sciences*, Bulgarian Academy of Sciences, Mentor: Ludmil Katzarkov.
Feb–Current
- 2022–Feb **Research Assistant Professor**, *Institute of the Mathematical Sciences of the Americas*, University of Miami, Mentor: Ludmil Katzarkov.
2023
- 2016–2022 **Instructor/Teaching Assistant**, *University of Miami*.

Education

- 2016–2022 **Ph.D., Mathematics**, *University of Miami*, Mentor: Morgan Brown.

Research Interests

Algebraic Geometry, Arithmetic Geometry.

In particular Non-archimedean analytic geometry, Logarithmic geometry, and Tropical geometry

Preprints and Publication

- 2022 Faithful tropicalization and Skeleton of $\overline{M}_{0,n}$, submitted, arXiv:2301.04797
- 2024 On the structure of the complement of the skeleton, joint with M.Brown and M. Zhang, submitted, arXiv:2407.09036
- 2024 Semi-continuity of log differential and Swan conductor on non-Archimedean analytic varieties, in preparation

Invited Talks

- August 2023 Aspects of mirror symmetry for abelian variety, at Simons conference "Generalized and Symplectic Geometry", Sunny Beach, Bulgaria.
- March 2023 Non-Archimedean Uniformization and its Application, at ICMS Seminar.
- Nov 2022 Motivic Integration for Non-Archimedean Analytic Spaces, Institute of the Mathematical Sciences of the Americas, University of Miami.

Conferences & Workshops Attended

- 2023 Oct Arithmetic Algebraic Geometry on the occasion of Michael Rapoport's 75th birthday, Münster, Germany
- 2023 August Generalized and Symplectic Geometry, Sunny Beach, Bulgaria.
- 2023 May Recent Developments in Hodge Theory, Institute of the Mathematical Sciences of the Americas, Miami

- 2023 January Homological Mirror Symmetry, Institute of the Mathematical Sciences of the Americas, Miami
- 2021 June Conference on Arithmetic Geometry in honor of Luc Illusie, Virtual conference
- 2019 August Arithmetic & Algebraic Geometry, University of Michigan, USA
- 2019 March Gattaca Conference, Georgia Institute of Technology, USA
- 2018 June MSRI Summer Graduate School: Derived Categories, University of California, Berkeley, USA
- 2018 May Representation Theory, Geometry, and Quantization: The Mathematical Legacy of Bertram Kostant, MIT, USA
- 2018 Georgia Algebraic Geometry Symposium, Georgia Institute of Technology, USA
February

Seminar Talks and Organization

- 2021 March "Skeleton and Berkovich analytification" on Seminar Graduate Algebraic Geometry, University of Miami
- 2020 "Logarithmic étale cohomology" on Seminar Graduate Algebraic Geometry, University of Miami
December
- Fall 2020 Organizer, Learning Seminar on Logarithmic geometry
- Summer 2020 Organizer, Learning Seminar on Algebraic Stack
- Spring 2020 Organizer, Learning Seminar on Étale cohomology
- Summer 2019 Organizer, Learning Seminar on Arithmetic Surface
- 2019 May "Brauer-Severi variety and Galois cohomology" on Seminar Graduate Algebraic Geometry, University of Miami
- 2019 "Structure of Berkovich projective line" on Seminar Tropical and non-archimedean
February geometry, University of Miami
- Fall 2018 Organizer, Learning Seminar on Rigid analytic geometry

Teaching Experience

- Spring 2022 Pre-Calculus I **Instructor**
- Fall 2021 Calculus I **Instructor**
- Spring 2021 Calculus II **Instructor**
- Fall 2020 Calculus I **Instructor**
- Summer 2020 Pre-Calculus II **Instructor**
- Spring 2020 Calculus II **Instructor**
- Fall 2019 Calculus I **Instructor**
- Spring 2019 Linear Algebra and Ordinary Differential Equation *Teaching Assistant*
- Fall 2018 Linear Algebra and Introduction to Probability and Statistics *Teaching Assistant*
- Spring 2018 Calculus II and Ordinary Differential Equation *Teaching Assistant*
- Fall 2017 Linear Algebra and Discrete Mathematics *Teaching Assistant*
- Spring 2017 Calculus III and Multi-variable Calculus *Teaching Assistant*

Fall 2016 Calculus I and Honor Linear algebra *Teaching Assistant*

Awards and fundings

2023-Current Categorical Kaehler Geometry and Applications (CKGA), Bulgarian National Scientific Program "VIHREN", Project № KP-06-DV-7

2021-2022 Nominated for Outstanding Mathematics Graduate Student, University of Miami, Department of Mathematics

2020-2021 Nominated for Teaching Excellent Award, University of Miami, Department of Mathematics

2013-2016 Graduate Fellowships, Sichuan University

Activities

2016-current Member of American Mathematical Society

Contributor to Stack Project at Columbia University in the City of New York. [Link to Stack Project](#)

Additional Skills

Software MATLAB, Python, \LaTeX

Languages

English **Fluent**

French **Beginner**

Reading for mathematics papers

Chinese **Native**

References

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