

# Anish Chedalavada

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GitHub: <https://github.com/Aragogh>

Department of Mathematics

Johns Hopkins University

## EDUCATION

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- **Johns Hopkins University** Baltimore, MD  
*PhD in Mathematics* *Aug 2023 - June 2025 (Expected)*
  - **Advisor:** David Gepner
- **University of Illinois at Chicago** Chicago, IL  
*Masters in Pure Mathematics* *August 2020-June 2023*
  - **Summary:**
    - Teaching Assistant in MSCS
    - Qualifying Exams Completed in Algebra, Geometry/Topology
    - Co-President of Mathematics Graduate Student Association, 2021-22
- **University of California, Los Angeles** Los Angeles, CA  
*Bachelor of Science in Mathematics* *Sep 2016 - Jul 2020*
  - **Summary:**
    - 3.51 Overall GPA; 3.8 Major GPA
    - Graduate Algebra Qualifying Exam Passed in Junior Year

## RESEARCH EXPERIENCE

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- **Participant/Speaker at MFO Workshop 2338a** Oberwolfach, Germany  
*Program on Tensor-Triangular Geometry and Interactions* *Sep 17 - Sep 22, 2023*
  - **Talk title:** A derived refinement of a classical theorem in tt-geometry.
  - Designated reporter for the workshop.
- **Visitor at Hausdorff Research Institute for Mathematics** Bonn, Germany  
*Program on Spectral Methods in Algebra, Geometry, and Topology* *Fall Trimester, 2022*
  - **Workshops Attended:**
    - Summer School: Spectral methods in algebra, geometry, and topology (Sep 19 - 23)
    - Spectral methods in equivariant mathematics (Oct 24 - 28)
    - Spectra, triangles, and higher structures (Dec 5-9)
- **MSRI Séminaire de Mathématiques Supérieures** Vancouver, Canada  
*Participant at Summer School on Floer Homotopy Theory* *Jul 11 - Jul 22, 2022*
  - **Lecture Courses Attended:** Fundamentals of Floer homology (9 lectures), Introduction to ring spectra (3 lectures), String topology (3 lectures), Spectra and smash products (4 lectures), Operads (4 lectures), Applications of Floer homology (3 lectures), Floer homotopy theory (4 lectures).

## SEMINARS ORGANIZED

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- **UIC Graduate Student Colloquium:** Spring 2022
- **UIC Graduate Geometry/Topology Seminar:** Fall 2021, Spring 2022. Website here

## TALKS GIVEN (NOTES ON WEBSITE)

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- *A derived refinement of a classical theorem in tt-geometry*, Mathematisches Forschungsinstitut Oberwolfach, Workshop 2338a, Fall 2023.
- *Spherical Witt Vectors and Lubin-Tate Theory*, MPIM Participating Seminar on the Chromatic Nullstellensatz, Fall 2022.
- *The Grothendieck-Riemann-Roch Theorem*, UIC Graduate Algebraic Geometry Seminar, Spring 2022.
- *Virtual Fundamental Classes and the Intrinsic Normal Cone*, UIC Gromov-Witten Reading Group, Winter 2021.
- *Proof of the Dundas-Goodwillie-McCarthy Theorem (series)*, UIC Topological Cyclic Homology Reading Group, Spring 2021.
- *Spectral Algebraic Geometry Chapters 1.1.6.8-1.1.6.10*, UIC SAG Reading Group, Fall 2020.
- *Genuine Cyclotomic Spectra and Equivalence of TC (series)*, UIC Topological Cyclic Homology Reading Group, Fall 2020.
- *G-Operads and Operads in G-Spaces*, UCLA Participating Algebraic Topology Seminar, Spring 2020.
- *Locally Presentable Stacks and Internal Groupoids*, UCLA Participating Algebraic Topology Seminar, Winter 2020.
- *Symmetric Monoidal  $\infty$ -Categories*, UCLA Participating Algebraic Topology Seminar, Fall 2019.

## TEACHING EXPERIENCE

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- **Primary Instructor, UIC Math 109 (College Algebra Workshop)**: Fall 2021
- **Primary Instructor, UIC Math 090 (Intermediate Algebra)**: Summer 2021
- **Teaching Assistant, UIC Math 181 (Calculus II)**: Fall 2020, Spring 2022
- **Teaching Assistant, UIC Math 125 (Linear Algebra for Business)**: Spring 2021
- **Teaching Assistant, UIC Math 121 (Precalculus)**: Spring 2023
- **Teaching Assistant, UIC Math 160 (Linear Algebra for Business)**: Spring 2023
- **Teaching Assistant, JHU Math 107 (Calculus II for Life Sciences)**: Fall 2023
- **Grader, JHU Graduate Algebraic Topology**: Fall 2023

## SKILLS SUMMARY

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- **Programming**:  $\text{\LaTeX}$ , Linux, Python, C++
- **Languages**: English, French (Intermediate), Telugu, Hindi