

# Yu (Leon) Liu

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<https://leon2k2k2k.github.io>

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## Education

- **Harvard University** August 2020 - Present  
*Ph.D. in Mathematics*
- **The University of Texas at Austin** August 2017 - December 2020  
*B.S. in Mathematics*

## Papers and Preprints

- **Abelian duality in topological field theory** December 2021  
*Accepted to Communications in Mathematics and Physics*
- **Constructing the Virasoro groups from differential cohomology** December 2021  
*Joint with Arun Debray and Christoph Weis*

## Services

- **DRP mentorship** Fall 2021  
*Mentor two undergrads in TQFT*
- **DRP mentorship** Fall 2022  
*Mentor one math undergrad and 3 physics undergrads*

## Research talks, Posters

- **Virasoro and Differential Cohomology** March 2022  
*GSTGC 2022 Georgia Tech*
- **Long exact sequence in the symmetry broken phase (Poster)** June 2022  
*Global Categorical Symmetry Perimeter Institute*
- **Stratification in Physical Systems** Nov 2022  
*UCLA Algebraic Topology seminar UCLA*