

# BHAVYA KUMAR AGRAWALLA

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## EDUCATION

Carnegie Mellon University (CMU) Pittsburgh, PA PhD Student In The Computer Science Department (CSD)   Area: Artificial Intelligence	September 2024 - Present
Massachusetts Institute of Technology (MIT) Cambridge, MA B.S. : Artificial Intelligence, Mathematics	September 2021 - June 2024 GPA : 4.8/5.0

## AWARDS & DISTINCTIONS

- Silver medallist at the 60<sup>th</sup> International Mathematical Olympiad (IMO) 2019

## PREPRINTS

### floq: Training Critics via Flow-Matching for Scaling Compute In Value-Based RL

Bhavya Agrawalla, Michal Nauman, Khush Agrawal, Aviral Kumar

Under Review At International Conference On Learning Representations (ICLR)-2026 (Top 3% Scores)

## PUBLICATIONS

### Statistical Inference for Linear Functionals of Online Least Squares SGD when $t \gtrsim d^{1+\delta}$

Bhavya Agrawalla, Krishnakumar Balasubramanian, Promit Ghosal

IEEE Transactions on Information Theory, 2025

### DISeR: Designing Imaging Systems with Reinforcement Learning

Tzofi Klinghoffer, Kushagra Tiwary, Nikhil Behari, Bhavya Agrawalla, et. al

International Conference on Computer Vision (ICCV), 2023

### Harrison Homology and the Quillen Cohomology of Commutative Monoids

Bhavya Agrawalla, Nasief Khlaif, Haynes Miller

Semigroup Forum Journal, 2023