Srujana Vinaykumar Acharya

EDUCATION

Ph.D. in Mathematics Education (Pursuing) 2021 - 2025

School of Education, University of Delaware, DE

M.Sc. Mathematics (A+) 2018 - 2020

Sir Parashurambhau College; Savitribai Phule Pune University, Pune

- Electives included Statistics, Approximation Theory, Analysis on Manifolds, and Machine Learning

B.Sc. Mathematics (First class with Distinction) 2015 - 2018

Fergusson College, Pune*;* Savitribai Phule Pune University, Pune

- Did a reading course in Hilbert Spaces with Dr. Rohit Holkar at IISER Pune in July 2017.
- Electives included Number Theory, Differential Geometry, Dynamical Systems, and Lebesgue Integration

Certificate course in Child and Adolescent Psychology 2020 - 2021

Jnana Prabodhini's Institute of Psychology, Pune

SUMMER AND WINTER SCHOOLS

Workshop on Linear Algebra at Bhaskaracharya Pratishthana, Pune May - June 2016

Level O, Mathematics Teaching and Talent Search at R.I.E, Mysore May - June 2017

Summer Program in Mathematics at H.R.I., Allahabad June - July 2018

Annual Foundation School 1 at Bhaskaracharya Pratishthana, Pune December 2018

Annual Foundation School 2 at Bhaskaracharya Pratishthana, Pune May – June 2019

RESEARCH EXPERIENCE

Research Assistant- Investigating Backward Transfer Effects in the Context of Instructional Activities About Linear and Quadratic Functions 2021 - 2022

School of Education, University of Delaware, DE (Supervisor: Dr. Charles Hohensee)

- Collaborated with the research team to transcribe, code, and analyze the collected data of the first round of the project
- Collected data and conducted interviews for the second round of data collection

Research Assistant- Covariational and Algebraic Reasoning (CARe) Project: A New Path to Algebra 2022 - 2023

School of Education, University of Delaware, DE (Supervisor: Dr. Teo Paoletti)

- Collaborating with the research team to analyze the data collected during teaching experiments to revise the designed tasks
- Collaborating with the research team in designing and revisinig activities on Desmos

Research Assistant- Middle School Students' Graphing from Ground Up 2022 - 2023

School of Education, University of Delaware, DE (Supervisor: Dr. Teo Paoletti)

- Collaborating with the research team to analyze the data collected during pre-interviews
- Collaborating with the research team in designing tasks on Desmos

WORK EXPERIENCE

Mathematics Teaching (July 2019 - August 2021)

- Worked as a middle-school mathematics teacher at Jnana Prabodhini Prashala, Pune (seventh and eighth-grade) for a year and New English School, Tilak Road, Pune for three months (ninth and tenth-grade).
- Worked as a mathematics trainer at Bhaskaracharya Pratishthana, Pune for a year where I trained seventh and eighth-grade students for regional level exams of the International Mathematics Olympiad
- Worked as a high school teacher at Pradnya Educational Academy for a year (eleventh and twelfth-grade).

Work with Teachers

- Instructor at GeoGebra workshop held for mathematics teachers at Jnana Prabodhini Prashala, Pune (May 2021)
- Instructor at GeoGebra national workshop organized by IISER Bhopal (March 2021)
- Co-instructor at GeoGebra national workshop organized by Bhaskaracharya Pratishthana (August- September 2020)
- Volunteer and observer at the 'Teaching mathematics using Technology' workshop organized by Jnana Prabodhini's W. N. Dhadekar Education Research Centre (August 2020)

PRESENTATIONS

Hohensee C., Gartland S., Ma Y., & Acharya S. (2023, July). *Comparing Teaching Goals for Student Focusing and Noticing with Student Outcomes for Focusing and Noticing.* Research Report presented at the 46th Annual Conference of the Internal Group of Psychology of Mathematics Education, Haifa, Israel.

Paoletti, T., Gantt A. L., Acharya, S. V., & Margolis, C. (2023, June). *CAREER: Covariational and Algebraic Reasoning: A New Path to Algebra.* Poster presented at the Discovery Research PreK-12 PI Meeting, Arlington, VA.

Paoletti, T., Lee, H. Y., Hardison, H. L., Gantt A. L., Zolt, H., Bui, M., Gaspard, B. R. & Acharya, S. V. (2023, June). *Middle School Students Graphing From the Ground Up.* Poster presented at the Discovery Research PreK-12 PI Meeting, Arlington, VA.

Hohensee C., Ma Y., & Acharya S. (2023, February). *Teaching that Promotes Student Noticing of Mathematically Important Features of Quadratic Functions.* Research Report presented at the 27th Annual Association of Mathematics Teacher Educators Conference, New Orleans, LA

CONFERENCE PROCEEDINGS

Hohensee C., Gartland S., Ma Y., & Acharya S. (2023, July). Comparing Teaching Goals for Student Focusing and Noticing with Student Outcomes for Focusing and Noticing. In Michal Ayalon, Boris Koichu, Roza Leikin, Laurie Rubel & Michal Tabach (Eds.), *Proceeding of the 46th Conference of the International Group for the Psychology of Mathematics Education* (Vol. 3, pp. 75-82). University of Haifa, Israel: PME