ADVIKA RAJAPAKSE

Department of Mathematics
University of California, Los Angeles
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EDUCATION

- **University of California, Los Angeles**　　　　　　　　　**2021 –**
  - PhD student of Mathematics
    GPA: 4.00

- **Johns Hopkins University**　　　　　　　　　**2017 – 2021**
  - MA in Mathematics
    Accepted for Combined Graduate Study in Mathematics – Spring 2020
  - BA in Mathematics
    Cumulative GPA: 3.93

RESEARCH EXPERIENCE

- Mathematics Research Experiences for Undergraduates program at the University of Michigan. We studied the global existence, uniqueness, and regularity of the relativistic Vlasov-Maxwell system under Dr. Neel Patel. My results are available on the REU website.
  May 2020 – September 2020

- Measure Theory, Sobolev Spaces, and Minimal Surfaces reading project with Dr. Jacob Bernstein. I helped fix proof errors in the Errata section of *Measure Theory and Fine Properties of Functions* by Dr. Lawrence Evans.
  May 2019 – August 2019

AWARDS AND HONORS

- J.J. Sylvester Award for Excellence in Mathematics (Annually awarded to recognize outstanding achievement by a distinguished mathematics major)
  Spring 2021

- Renewed as the 2020–2021 recipient of the Jean-Pierre Meyer and Steven Meyer Scholarship in Mathematics
  Spring 2021

- Jean-Pierre Meyer and Steven Meyer Scholarship in Mathematics (Annually awarded to one mathematics major and one applied mathematics major for outstanding achievement)
  Fall 2020

○ Johns Hopkins Krieger School of Arts and Sciences Dean's List	**Fall 2020, Fall 2017 – Fall 2019**
○ Cape Verdean Scholarship – Cape Verdean Association of New Bedford	**June 2017**
○ Madeiran Scholarship – Madeiran Society of New Bedford	**June 2017**

TALKS

○ The University of Michigan Mathematics Summer REU *The Relativistic Vlasov-Maxwell System of Equations*	**July 2020**

TEACHING EXPERIENCE

○ Teaching Assistant at UCLA for

Math 115A – Linear Algebra	**Fall 2022**
Math 31B – Integration and Infinite Series	**Spring 2022**
Math 110BH – Honors Algebra	**Winter 2022**
Math 32A – Calculus of Several Variables	**Fall 2021, Fall 2022**

VOLUNTEER EXPERIENCE

○ Step Up Tutoring – Volunteer Elementary School Mathematics and Reading Tutor *I tutor LAUSD elementary school students in reading comprehension and mathematics for two hours per week*	**January 2022 – Present**
○ UCLA Directed Reading Program (DRP) – Mentor for a directed reading project on algebraic topology, with the aim of studying persistent homology	**October 2022 – Present**
○ Hop Help – Waverly Elementary School Volunteer Tutor	**September 2018 – March 2020**
○ Johns Hopkins Tutorial Project – Volunteer Elementary School Tutor	**February 2018 – May 2018**

SKILLS

Languages: English (fluent), Portuguese (proficient)