

Adam Paul Kunesh, Physics Graduate Student

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Operating at the interface between theory and application, I strive to develop first-principles methods for optimal behavioral prediction of complex systems. I seek to foster a more cohesive body politic through scientific transparency and equal opportunity.

Research Experience

Recovering Equations of Motion from Time Series

UC-Davis ('19-pres.)

Replication of the Optical Properties of Butterfly-Wing Nanostructures

UNC-Chapel Hill ('15- '17)

Ultra-Thin Elastic Membranes as a Bladder Cancer Diagnostic

Arizona State University ('15)

Education

University of California, Davis, 2017-Pres.

- Physics (MA) (PhD In Progress), concentration in Complexity
- GPA: 3.53/4.00

University of North Carolina at Chapel Hill, 2013-2017

- Physics (B.S.) with Honors, Mathematics (B.S.); Music (Minor)
- GPA: 3.76/4.00

Distinctions and Awards

- Chancellor's Science Scholar, UNC-CH, '13-'17
- Carolina Research Scholar, UNC-CH, '16
- Recipient of Best Poster in Physics, Sigma Xi Annual Meeting, '16
- REU Participant, National Nanotechnology Infrastructure Network (NNIN), '15
- Member of Phi Beta Kappa, Alpha of North Carolina Chapter, '15

Experiential Strengths

- Teaching
 - Teaching Assistant, 10 qtrs; 1-on-1 Tutoring, 3 qtrs
- Coding
 - Data Visualization and Rapid Prototyping (Python, MATLAB)

Community Involvement

- Cal-Bridge Graduate (Cal State Graduate Pipeline)
 - Physics Social Committee (UC Davis Community Programming)
 - Young Scientist Program (Underrepresented Minority Graduate Pipeline)
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