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Education

- In progress **Rutgers University**, Piscataway, NJ
Ph.D. program, Physics
- May 2011 **Brown University**, Providence, RI
Sc.B. in mathematical physics
Senior thesis: *Search for Randall-Sundrum Gravitons Decaying into $\mu^+\mu^-$ Pairs in $\sqrt{s} = 7\text{ TeV}$ pp Collisions in the CMS Detector at the LHC* Advisor: Meenakshi Narain
- June 2007 **Moorestown Friends School**, Moorestown, NJ
High School

Research Experience

- 2010–1 **CMS Experiment**, CERN, Geneva, Switzerland
- Looking for evidence of Randall-Sundrum graviton
 - Working with the diphoton exotica group
- Advisor:* Meenakshi Narain
- 2008–9 **D0 Experiment**, Fermi National Accelerator Laboratory, Batavia, IL
- Created programs for organizing the process of certifying the reconstruction of particle tracks
 - Monte Carlo simulations
- Advisor:* Meenakshi Narain
- 2007 **Low Temperature Laboratory**, Drexel University, Philadelphia, PA
- Setting up a system for data acquisition for main experiment
 - Making microwave copper powder filters
 - Testing undergraduate labs
 - Soldering electrical components
- Advisor:* Roberto C. Ramos

Computer Skills

- Programming Languages Python, L^AT_EX, shell scripts, Java, PHP, LabVIEW, HTML, XHTML, CSS, JavaScript, TI-BASIC, some experience with C++
- Platforms Mac OS, Unix, Linux, Windows

Teaching Experience

- **Grader** for freshman seminar on physics related to extra dimensions
- **Tutor** for various students from middle school through college on physics and mathematics

Societies and Organizations

- 2009–10 Physics Departmental Undergraduate Group, Brown University
 Coordinator 2009–2010
 The Physics DUG held seminars for professors to discuss their
 research with undergraduates and hosted events for majors
- 2008–11 Brown Freethought, Brown University
 President 2008–11
- 2007–present American Physical Society

Miscellaneous

- 2010 Contributed a statistical analysis of the distribution of first days of
 Egyptian and Greek lunar months to L. Depuydt, “Why Greek Lu-
 nar Months Began a Day Later than Egyptian Lunar Months, Both
 Before First Visibility of the New Crescent,” in W. Horowitz, John
 Steele, and Jonathan Ben-Dov (eds.), *Living the Lunar Calendar*
 (Calendars and Years III; Oxford: Oxbow Publishers). Expected
 2011.
- 2010–1 Brown Daily Herald, Opinions columnist
 Columns often dealt with science and pseudoscience.
- 2010 BasCast podcast, Contributor to episode 8
 The segment is taken from one of my Brown Daily Herald
 columns