

Rachel E. Harrison

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Education

Brandeis University

Bachelor of Science in Physics, Cum Laude, with High Honors in Physics, May 2015

Senior Honors Thesis in Physics

Thesis Title: I. Implementing Efficient Hybrid Imaging in CASA, II. An Analysis of Faraday Rotation Measure Synthesis Techniques in CASA and AIPS

Research Experience

Graduate Research Assistant, University of Illinois at Urbana-Champaign

January 2018 - Present

Advisor: Leslie Looney

Research Area: Dust polarization in early protostellar disks, magnetic fields in protostellar disks

Research Assistant, Brandeis Astrophysics Group, Brandeis University

June 2014 – May 2015

Advisor: David Roberts

Research Area: Structure of jets in microquasar SS 433, polarization and Faraday rotation in jets

Research Assistant, Herzfeld Lab, Brandeis University

July 2013 – April 2014

Advisor: Judith Herzfeld

Research Area: Protein folding in gas vesicles, physical chemistry

Employment

Scientific Data Analyst, National Radio Astronomy Observatory

August 2015 - July 2017