

Laurel B. Onofrio

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□ **Motivated and enthusiastic Physics-Astronomy major with an excellent education and background in astronomy research, seeking admission to the BYU Doctorate of Science in the Astronomy program.**

EDUCATION

Bachelor of Science, Physics-Astronomy

Graduation 8/2011

Brigham Young University

Provo, UT

Earned and maintained a solid 3.44 GPA while attending school full time and working 15 hours per week. Received scholarships for 6 semesters.

Relevant Courses:

Mechanics, Thermodynamics, Quantum Mechanics, Electricity and Magnetism, Solar System Astronomy, Astrophysics, Adv. Observational Techniques and Data Reduction.

Activities:

President of Astronomical Society, Society of Physics Students, Astronomy Research Group.

PROFESSIONAL EXPERIENCE

Teaching Assistant (2 Astronomy professors for Introductory Astronomy)
Physics-Astronomy Department, Brigham Young University

4/2009- Present
Provo, UT

- Assist major professor in organizing and presenting material to students.
- Evaluate and grade assignments for 70 students, input grades into computer course management program; assist in developing relevant exam questions from test bank for 4 major assessments.
- Conducted bi-weekly constellation labs for students.
- Function as tutor to over 70 students who have had difficulties with assignments.

Research Assistant

8/2009-Present

Physics-Astronomy Department, Brigham young University

Provo, UT

- Conducted research with major professor using C++ on Linux machines, reducing data from SDSS site for relevant material pertaining to research.
- Contributed to research compilation and helped write a paper currently in the editing process.

REU Internship

6-8/2009

University of Idaho, Physics Department

Moscow, ID

- Assisted in research pertaining to commercial quality thick barium ferrite films, helped develop proper recipe for good magnets with strong fields.
- Conducted research on barium ferrite magnetic properties using VSM.
- Organized, developed and presented a talk on the research conducted over a 10 week period for fellow researchers and distinguished professors.

□ **KEYWORDS:** Researcher, Writer, Enthusiastic, Observational Astronomer