

Robel. A Geda

- Please use information at www.robgeda.com under contact for contact information •

EDUCATION

Rutgers University

New Brunswick, NJ

Bachelors of Science

Major: Astrophysics and Mathematics (Double major)

Course Highlights: Mathematical Theory of Probability, Linear Algebra, Differential Equations and Astrophysics.

Currently Taking: Partial Differential Equations, Quantum Mechanics and Electromagnetism.

RESEARCH

Aresty Research Assistant

New Brunswick, NJ

Professor Girsh Blumberg

September 2014-Present

“Spectroscopy of Superconductors”

- Laser Spectroscopy Laboratory – Raman Scattering.
- Develops software for analysis on large datasets.

Dark Matter Simulation

New Brunswick, NJ

Professor Alyson Brooks

September 2014-Present

“Software Development for Dark Matter Halo Tracking”

- Develops and modifies software for use in dark matter simulation, analysis in experiments and research projects.

LEADERSHIP and EMPLOYMENT

Academic Liaison

New Brunswick, NJ

Rutgers Residence Life

April 2013- Present

- Advertising and promoting events in and outside of Rutgers.
- Networking between academic departments, sponsors, and Rutgers residents.
- Making newsletters.

Course TA

New Brunswick, NJ

Astronomy Assistant Instructor

May 2014- Present

- Leads online recitations and review sessions designed to impart crucial subject matter.
- Oversees and teaches applications of the material.

L.S.A.M.P Rutgers

New Brunswick, NJ

Scholar

August 2012 - Present

- LSAMP Interns assist with the planning and implementation of the LSAMP Peer Mentoring Program.

SKILLS

- Highly proficient with the Microsoft Office Product Suite.
- Large data analysis on super-computers.
- Programming language experience with Python, Mathematica, Maple, IDL and Java.
- Laser spectroscopy on crystals.
- Differential equations: series solutions, Laplace transforms, Fourier transforms, etc