

Zeeve Rogoszinski

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Education

University of Maryland

PH.D. IN ASTRONOMY

Advisor: Dr. Douglas Hamilton

College Park, MD

Aug 2020

M.S. IN ASTRONOMY

Dec 2016

Vassar College

B.A. IN ASTRONOMY & PHYSICS

Senior Thesis Advisor: Dr. Debra Elmegreen

Poughkeepsie, NY

Jun 2014

Skills

Programming Languages (proficient): Python, C, \LaTeX , Mathematica, shell scripting

Programming Languages (novice): HTML/CSS

Tools & Software: HDF5, Numpy, Matplotlib, Pandas, Scikit-learn, SciPy, Seaborn
Git, Jupyter Notebook, Microsoft Office, Slurm, Unix/Linux

Spoken Languages: English (native), Hebrew (advanced)

Work Experience

Center for Naval Analyses

RESEARCH ANALYST

Arlington, VA

Oct 2020 - present

Fellowships & Awards

2020	Ann G. Wylie Dissertation Fellowship,	U Maryland
2016 - 2019	NASA Earth and Space Science Fellowship, 28 out of 180 selected	NASA
2016	Hartmann Student Travel Grant,	AAS
2014	Departmental Honors in Astronomy,	Vassar College
2014	Departmental Honors in Physics,	Vassar College
2014	General Honors,	Vassar College
2014	Sigma Xi,	
2013	Ethel Hickox Pollard Memorial Physics Award,	Vassar College
2013	Janet Murray '31 Memorial Scholarship,	Vassar College

Publications

The Tilts and Spins of Planets and Moons

ROGOSZINSKI, Z., 2020, PHD THESIS

The Brute-Force Search for Planet Nine

LAWRENCE, S., ROGOSZINSKI, Z., 2020, [ARXIV:2004.14980](#)

Tilting Ice Giants with a Spin-Orbit Resonance

ROGOSZINSKI, Z., HAMILTON D. P., 2020, APJ. [ARXIV:1908.10969](#)

Works In Preparation

Tilting Uranus: Collisions vs. Spin-Orbit Resonance

ROGOSZINSKI, Z., HAMILTON D. P., 2020, UNDER REVIEW, [ARXIV:2004.14913](#)

Presentations

Tilting Ice Giants with Circumplanetary Disks

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Dynamical Astronomy

Jun 2019

Using collisions and resonances to tilting Uranus

ROGOSZINSKI, Z., HAMILTON D. P.

American Astronomical Society

Jan 2018

Continuing the investigation to tilting Uranus with a secular spin-orbit resonance

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Planetary Science

Oct 2017

Tilting Uranus without a Collision

ROGOSZINSKI, Z., HAMILTON D. P.

AstroCon DC

Jul 2017

Posters

Can The Spin Rates of Irregular Satellites Provide Constraints To Their Formation Histories?

ROGOSZINSKI, Z., HAMILTON D. P.

EPSC-DPS Joint Meeting

Sept 2019

How do collisions shape the orbits of irregular satellites?

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Planetary Science

Oct 2018

Why is it so difficult to tilt Uranus?

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Dynamical Astronomy

Apr 2018

Tilting Uranus without a Collision

ROGOSZINSKI, Z., HAMILTON D. P.

Division of Planetary Science

Oct 2016

Constraining Cosmic Ray Origins Through Spectral Radio Breaks In Supernova Remnants

ROGOSZINSKI, Z., HEWITT, J. W.

NASA GSFC Summer Internship

American Astronomical Society

Jan 2015

Observations of the Black-Drop Effect at the 2012 Transit of Venus

ROGOSZINSKI, Z., PASACHOFF, J. M.

Keck Northeast Astronomy Consortium Summer Research Fellow

American Astronomical Society

Jan 2014

Services & Internships

GRAD-MAP Member

VOLUNTEERED WITH THE GRAD-MAP PROGRAM BY ASSISTING WITH OUTREACH, AND HELPING TO PLAN THE WINTER WORKSHOP. GRAD-MAP IS A DIVERSITY INITIATIVE AND GRADUATE STUDENT LED ORGANIZATION BY THE ASTRONOMY AND PHYSICS DEPARTMENTS DEDICATED TO SUSTAINING TIES BETWEEN UMD AND OTHER MINORITY SERVING INSTITUTIONS. FOR MORE INFORMATION, VISIT: WWW.UMDGRADMAP.ORG

U Maryland

2015-2018

Executive Secretary

A SECRETARY POSITION AT A NASA PEER REVIEW PANEL FOR ANNUAL PROPOSALS. THESE ARE USUALLY RESERVED FOR EARLY SCIENTISTS TO OBSERVE AND LEARN FROM THE PROPOSAL DECISION PROCESS.

NASA

2017, 2018

NASA GSFC Summer Internship

DEVELOPED A PYTHON IMAGE PROCESSING AND ANALYSIS SCRIPT TO STUDY COSMIC RAY ORIGINS IN SUPERNOVA REMNANTS WITH DR. JOHN HEWITT.

NASA

2014

Keck Northeast Astronomy Consortium Summer Research Fellow

ANALYZED 2012 TRANSIT OF VENUS IMAGES TO EXPLAIN THE BLACK-DROP EFFECT WITH DR. JAY PASACHOFF.

Williams College

2013

Observatory Assistant

MAINTAINED AND OPERATED THE SCHOOL'S OBSERVATORY.

Vassar College

2010-2012

Teaching

Astronomy 101 TA

SUPERVISOR: DR. ELIZA KEMPTON

U Maryland

Fall 2019

Astronomy 101 TA

SUPERVISORS: GRACE DEMING, DR. DOUGLAS HAMILTON, DR. LEE MUNDY

U Maryland

2014-2016

Academic Astronomy Intern

SUPERVISOR: DR. DEBRA ELMEGREEN

Vassar College

2013-2014

Teaching Assistant

SUPERVISOR: DR. JAY PASACHOFF

Williams College Planetarium

Summer 2013