

# Zeeve Rogoszinski

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## Education

### University of Maryland

**PH.D. IN ASTRONOMY**, ADVISOR: DOUGLAS HAMILTON, THESIS: "THE TILTS AND SPINS OF PLANETS AND MOONS"

**M.S. IN ASTRONOMY**, ADVISOR: DOUGLAS HAMILTON, THESIS: "TILTING URANUS WITHOUT A COLLISION"

College Park, MD

Aug 2020 (expected)

Dec 2016

### Vassar College

**B.A. IN ASTRONOMY & PHYSICS**, ADVISOR: DEBRA ELMEGREEN, THESIS: "STRUCTURE AND ACTIVITY IN HUBBLE

DEEP FIELD ELLIPTICAL GALAXIES"

Poughkeepsie, NY

Jun 2014

## Fellowships & Awards

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

## Publications

### The Brute-Force Search for Planet Nine

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

### Tilting Uranus: Collisions vs. Spin-Orbit Resonance

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

### Tilting Ice Giants with a Spin-Orbit Resonance

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

## 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.

*American Astronomical Society*

*Jan 2015*

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

ROGOSZINSKI, Z., PASACHOFF, J. M.

*American Astronomical Society*

*Jan 2014*

## Services

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### 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](http://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*

### Observatory Assistant

MAINTAINED AND OPERATED THE SCHOOL'S OBSERVATORY.

*Vassar College*

*2010-2012*

## Teaching

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### Astronomy 101 TA

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

*U Maryland*

*2014-2016, Fall 2019*

### Academic Astronomy Intern

SUPERVISOR: DR. DEBRA ELMEGREEN

*Vassar College*

*2013-2014*

### Teaching Assistant

SUPERVISOR: DR. JAY PASACHOFF

*Williams College Planetarium*

*Summer 2013*

## Selected News Articles

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### Here's Why We Must Send 100 Spacecraft To The Edge Of The Solar System

BY JAMIE CARTER

*Forbes*

*May 2020*

### A New Approach to Tilting Uranus

BY WILL SAUNDERS

*AAS Nova*

*March 2020*