

Gregory Simonian

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Current Position

Concord University

Athens, WV

Assistant Professor of Astronomy and Physics

Courses Taught: Introductory Astronomy, University Physics with Calculus, Part 2 (Lab)

Education

The Ohio State University

Columbus

Ph.D Astronomy, Advisor: Prof. Marc Pinsonneault

2013–2019

California Institute of Technology

Pasadena

B.S. Astronomy, Cum Laude

2009–2013

Teaching Experience

The Ohio State University

Columbus

Instructor

2019

Courses Taught: Planets and the Solar System, Planets to the Cosmos (online)

The Ohio State University

Columbus

Graduate Teaching Assistant

2013–2018

Teaching assistant for 13 courses at OSU.

California Institute of Technology

Pasadena

Undergraduate Teaching Assistant

2012

Teaching assistant for Ay 1

Proposals

PI: “Tidally-synchronized binaries in the *Kepler* Field” Observing Proposal
APOGEE Ancillary, 61 targets scheduled for Summer 2019

PI: “Tidally-synchronized binaries in the *Kepler* Field” Observing Proposal
MDM 2.4-meter telescope, 14 nights observed in 2017B.

Observing Experience

MDM 2.4-meter Hiltner Telescope

14 nights

Optical Spectroscopy

Summer 2017

Part of thesis project to detect RV variability in *Kepler* rapid rotators

MDM 2.4-meter Hiltner Telescope

Optical Spectroscopy and Photometry

Queue Observing

5 nights

Winter 2017

Large Binocular Telescope

Optical Spectroscopy and Photometry

Queue Observing

19 nights

Summer 2014

MDM 1.3-meter McGraw-Hill Telescope

Optical Spectroscopy

Reverberation Mapping Campaign

9 nights

Winter 2014

MDM 2.4-meter Hiltner Telescope

Optical Spectroscopy and Photometry

DES Quasars

9 nights

Autumn 2013

Palomar 200"

Optical Spectroscopy

Time-Resolved Spectroscopy of CR Boo for Senior Thesis

3 nights

Spring 2011

Seminars

Double Trouble: Biases Caused by Binaries in Large Stellar Rotation Datasets

American Astronomical Society 234

June 2019

Double Trouble: The Impact of Binarity in Large Rotation Datasets

National Society for Black Physicists Conference

November 2018

The Leaky STEM Pipeline: Middle and High School

OSU Diversity Journal Club

May 2014

Service

Pre-Health Advisory Council: Concord University

2019

OSU Planetarium Presenter: Presented for public shows and classes

2014–2019

OSU Science Olympiad Judge: Facilitated and graded tests for the Ohio Science Olympiad

*April
2019*

Ohio State Science Day Judge: Reviewed science fair projects and networked with educators

*May
2018*

Armenian Students Association: President/Treasurer for student organization

2014–2018

Student Faculty Council: Astrophysics Option (Major)

2010–2011, 2012–2013 (chair)

Calculus Camp: Tutor for LACES high school students

2009–2013

Languages

Python: Numpy, Scipy, Astropy, Emcee

Primary Programming Language

Other Languages: C, Java, Haskell, Mathematica, Matlab, IDL

Basic Knowledge

LMSs: Canvas, Moodle

English: Fluent

Primary language

Armenian: Conversational

Native Language

First Author Publications

- [2] Gregory V. A. Simonian, Marc H. Pinsonneault, and Donald M. Terndrup. “Rapid Rotation in the Kepler Field: Not a Single Star Phenomenon”. In: *ApJ* 871, 174 (Feb. 2019), p. 174. DOI: 10.3847/1538-4357/aaf97c. arXiv: 1809.02141 [astro-ph.SR].
- [1] Gregory V. Simonian and Paul Martini. “Circumstellar dust, PAHs and stellar populations in early-type galaxies: insights from GALEX and WISE”. In: *MNRAS* 464 (Feb. 2017), pp. 3920–3936. DOI: 10.1093/mnras/stw2623.

Co-Authored Publications

For an up-to-date list of co-authored papers, see my ADS query.