

Gregory J. Gilbert

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EDUCATION

University of Chicago , Ph.D. in Astronomy & Astrophysics	expected 2021
Washington University in St. Louis , B.A. in Physics	2008

PUBLICATIONS

1. “An information theoretic framework for classifying exoplanetary systems”, **G.J. Gilbert** & D.C. Fabrycky 2019, *in prep*
2. “Kepler 564: A non-transiting planet perturbing its transiting neighbors”, **G.J. Gilbert**, D.C. Fabrycky, K.B. Stevenson, et al. 2019, *in prep*
3. “A search for water in the atmosphere of HAT-P-26b using LDSS-3C”, K.B. Stevenson, J.L. Bean, A. Seifahrt, **G.J. Gilbert**, et al. 2016, *ApJ*, 817, 141S

OBSERVING EXPERIENCE

Magellan/LDSS-3C, 2 nights	2015
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ADDITIONAL RESEARCH

Post-Baccalaureate Research, University of Chicago	2012-2014
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Advisor: Prof. Jacob Bean

Investigated the chemical and thermal properties of hot Jupiters through transmission and emission spectroscopy with the MMT/Magellan Infrared Spectrograph (MMIRS), Inamori-Magellan Areal Camera and Spectrograph (IMACS) and Hubble Space Telescope Wide Field Camera 3 (WFC3).

HONORS & AWARDS

Pierazzo International Student Travel Award	2017
University of Chicago Physical Science Teaching Prize (nominee)	2015, 2017

TALKS & PRESENTATIONS

Lake Michigan Exoplanet Meeting	2019
DePaul University - Science and the search for extraterrestrial intelligence (invited)	2018
Chicagoland Exoplanet Meeting	2017

TEACHING & MENTORING

Teaching Assistant, University of Chicago

- Physical Science 12710: Galaxies 2017
- Physical Science 12700: Stars 2016
- Physical Science 11900: Stellar Astronomy 2015
- Physical Science 13500: Chemistry and the Atmosphere 2014

Head of Science Development, Academic Approach (Chicago, IL) 2011-2014

Led a team of writers to produce educational materials and tests for use by over 100,000 high school students in Chicago Public Schools. Recruited and vetted new team members. Verified quality and scientific accuracy of all published materials covering physics, chemistry, biology, environmental studies, and earth and space sciences.

Science/Math Instructor, Academic Approach (Chicago, IL) 2008-2014

Instructed grade 9-12 students at all levels of math and science, including algebra, geometry, calculus, statistics, physics, and chemistry. Mentored students applying for college, provided advice on application essays, and helped them prepare for advanced placement (AP) exams.

Teaching Assistant, Washington University in St. Louis

- Physics 117/118: General Physics I & II 2007-2008

Peer Mentor, Washington University in St. Louis 2005-2008

Tutored undergraduates in introductory physics. Facilitated weekly study sessions with groups of 6-10 students. Helped train new peer mentors and develop problem sets.

SERVICE

- UChicago Dept. of Astronomy Education and Outreach Committee 2019
- UChicago Physical Science Teaching Committee 2017
- UChicago Dept. of Astronomy Undergraduate Curriculum Development Team 2017