# Tyler Gordon

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## Education

M.S. Candidate, Astronomy, University of Washington, expected 2018

GPA: 3.82 (4.0 scale)

B.S. Physics, Applied Mathematics, Boise State University, 2015

Overall GPA: 3.82 (4.0 scale)

Physics GPA: 3.94 (4.0 scale)

Applied Mathematics GPA: 3.68 (4.0 scale)

## Research Experience

Detection of Transiting Exomoons under Professor Eric Agol

Computer simulation of blazar emissions under Professor Daryl Macomb

Computer simulation of soft matter using Molecular Dynamics and Dissipative Particle Dynamics under Professor Charles Hanna and Professor David Pink.

## Teaching Experience

**University of Washington**

**Teaching Assistant.** The Planets (ASTR 105), Winter 2016, Spring 2016

**Teaching Assistant.** Introductory Astronomy (ASTR 101), Fall 2016

**Boise State University**

**Lab Instructor.** Introductory Physics with Calculus Sem. II (PHYS 212) Laboratory, Spring 2015, Fall 2015

**Lab Instructor.** Introductory Physics with Calculus Sem. I (PHYS 211) Laboratory, Spring 2014, Fall 2014, Spring 2015, Fall 2015.

**Lab Instructor.** Introductory Physics (PHYS 101) Laboratory, Fall 2013, Spring 2014.

**Lab Instructor.** Introductory Physics Sem. I (PHYS 111) Laboratory, Spring 2013.

**Lab Instructor.** Introductory Physics Sem. II (PHYS 112) Laboratory, Fall 2012.

## Other Experience

**Learning Assistant.** Introductory Physics with Calculus Sem. I (PHYS 211), Spring 2015

**Learning Assistant.** Calculus III, Multivariable and Vector Calculus (MATH 275), Spring 2015, Fall 2015

**Learning Assistant.** Introductory Physics with Calculus Sem. II (PHYS 212), Fall 2014

This position involved providing course assistance and leading study sessions for students in the course.

**Grader.** Thermal Physics (PHYS 432), Fall 2014, Fall 2015

# Publications

## *Peer-reviewed Journal Articles*

1. Bonnie Quinn, Fernanda Peyronel, Tyler Gordon, Alejandro Marangoni, Charles Hanna and David Pink "Aggregation in complex triacylglycerol oils: coarse-grained models, nanophase separation, and predicted x-ray intensities", Journal of Physics: Condensed Matter (July 22, 2014)

## *Other publications*

1. D. A. Pink, M. S. G. Razul, T. Gordon, B. Quinn, A. J. MacDonald (2014) Computer Simulation Techniques for Modelling Statics and Dynamics of Nanoscale Structures, in Edible Nanostructures: A Bottom-up Approach (eds. A.Marangoni, D.Pink) Roy. Soc. Chem, Oxford, Chapter 9.

## *Talks and Posters*

*SSC Model Fits to Simultaneous Fermi and CAO observations of Bl Lac's* Poster. 227th Meeting of the AAS, Kissimmee FL, January 2016

*Aggregation in Complex Triacylglycerol Oils: Course Grained Models* Poster. Undergraduate Research Conference, Boise State, Boise ID, April 2015.

Last updated: August 3, 2017