

Tyler Gordon

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Education

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

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

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 (scheduled)

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

Last updated: September 29, 2016