

# CURRICULUM VITAE – BRADEN R. FESHAMI

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PERSONAL INFORMATION	Braden R. Feshami email: <a href="mailto:bfeshami@iu.edu">bfeshami@iu.edu</a>
EDUCATION	<b>Ph.D. in Physics from Indiana University</b> (Aug 2013 - Aug 2020). Thesis advisor: Herbert A. Fertig.  <b>B.S., double major, in Physics and Applied Mathematics from University of Arizona</b> (Aug 2007 - Dec 2012). Research advisor: Nicholas M. Ercolani.
TEACHING EXPERIENCE	<b>Associate Instructor at Indiana University</b> (Aug 2013 - June 2020). Discussion leader and lab instructor for several introductory physics courses. Six semesters as a discussion leader for Calculus I.  <b>Adjuct Professor at Indiana University</b> (Aug 2020 - Present).
PUBLICATIONS	B. R. Feshami and H. A. Fertig, <i>Hartree-Fock study of the <math>\nu = 0</math> quantum Hall state of monolayer graphene with short-range interactions</i> , Phys. Rev. B <b>94</b> 245435 (2016). <a href="https://doi.org/10.1103/PhysRevB.94.245435">doi:10.1103/PhysRevB.94.245435</a>
CONFERENCE PRESENTATIONS AND WORKSHOPS	The following presentations were focused on my Ph.D. research. <ul style="list-style-type: none"><li>• APS March Meeting in Baltimore, 2016. <a href="https://meetings.aps.org/Meeting/MAR16/Session/A15.8">https://meetings.aps.org/Meeting/MAR16/Session/A15.8</a></li><li>• APS March Meeting in Boston, 2019. <a href="https://meetings.aps.org/Meeting/MAR19/Session/K14.14">https://meetings.aps.org/Meeting/MAR19/Session/K14.14</a></li></ul> Attended the Summer School on Emergent Phenomena in Quantum Materials at Cornell University, Aug 2015.
COMPUTER SKILLS	<b>Operating systems</b> Advanced experience with Linux, primarily Ubuntu, and Microsoft Windows. <b>Servers</b> Experience running job scripts on the Karst and BigRed II clusters at Indiana University. <b>Programming and scripting languages</b> C, GNUplot, tcsh, and AWK (daily). Latex, Mathematica, Matlab, Python (Often). <b>Miscellaneous</b> Experience with LAPACK/BLAS, Intel MKL, and the GNU Science Library.
LANGUAGE SKILLS	<b>English:</b> Native language. <b>German:</b> High-school/College level.