

Education

- **University of Notre Dame** South Bend, IN
PhD, Theoretical Physics 2012 - 2017
 - Dissertation: Counting Operators in Effective Field Theories
- **Purdue University** West Lafayette, IN
BS, Physics 2012
 - Minor in Mathematics

Work Experience

- **Splitwise** Providence, RI
Data Scientist May 2019 - Present
 - A/B testing
 - Analytics, statistical analysis, and reporting
 - Collaboration with product team to provide data background for design choices
 - Dashboard creation for monitoring and improving customer support services
- **University at Buffalo** Buffalo, NY
Clinical Assistant Professor January 2017 - May 2019
 - Upper level courses: Quantum Mechanics I, Classical Mechanics II
 - Introductory courses: College Physics I and II (algebra-based), General Physics II and III (calculus-based)
 - Upper level lab course: Modern Physics Lab - 11 experiments, ranging from nuclear physics to quantum dots to X-ray diffraction
 - Developed and taught experimental course preparing students for the physics GRE
- **Freelance Consulting** Buffalo, NY
Physics, Applied Math, and Data Science October 2017 - Present
 - Calculated effective UV irradiance and dosage curves for a new medical device
 - Analyzed and extended stochastic model of optimal database backup intervals
 - Performed statistical power analysis on nonparametric survey data
 - Created visualization and performed statistical analysis on a targeted metabolomics dataset
 - Served as subject matter expert (SME) for assessment creation
 - Performed Euler angle calculations for quadcopter aerodynamics
 - Created R Markdown report analyzing and visualizing survey responses for a nonprofit organization

Skills

Languages: Mathematica, R, Matlab, MySQL, PostgreSQL

Operating Systems: Linux, Mac

Software: Vim, L^AT_EX, R Markdown

General: Physics, applied math, statistics, data science, estimation, and problem-solving

Website: landonlehman.com (Blog posts on above subjects.)

Publications

Author or co-author of 7 peer-reviewed publications in Physical Review D (PRD), Journal of High Energy Physics (JHEP) and European Journal of Physics. Request academic CV for details.