Kevin Gullikson

2101 W Anderson Lane
Apt 318
Austin, TX 78757
(763) 213-5868

kevin.gullikson@gmail.com
http://www.linkedin.com/in/kevingullikson
www.github.com/kgullikson88
http://kgullikson88.github.io/blog

Objective:

PhD Candidate in Astrophysics looking to apply extensive experience with data acquisition, analysis, visualization, and communication to a new career as a data scientist.

Skills:

- Proficient in python/pydata stack, C/C++, bash
- Regression analysis, linear and nonlinear model fitting
- Experimental design and implementation
- Open source code development and publication
- Communication of high level research to professional and public audiences

Education:

PhD in Astronomy: University of Texas — Expected April 2016

Measuring the Mass Distribution of Binary Companions to Massive Stars.

Master of Arts in Astronomy: University of Texas — Awarded August 2012

Towards Spectroscopic Detection of Low Mass-Ratio Binary Systems

Bachelors of Science in Physics: Illinois Institute of Technology — Awarded June 2010

Professional Experience:

University of Texas – Graduate Research Assistant — 9/2010 to present

Designed a large survey program, acquired and analyzed data for it, and presented results at several professional conferences and in 6 peer-reviewed publications.

University of Texas – Graduate Teaching Assistant — 9/2010 to 5/2013

Led help sessions and office hours for several introductory astronomy courses. Designed lesson plans for small group activities to more clearly demonstrate learning objectives

Argonne National Laboratory – Undergraduate Research Assistant — 5/2009 to 8/2010

Used a very large scientific code base to simulate a physics experiment and optimize the detector materials.

Additional Experience:

- Published an open source code for astronomical data analysis which is currently being used by several people worldwide: http://telfit.readthedocs.org/en/latest
- Created a data-centric blog focused on applying machine learning and data visualization methods to a variety of problems: http://kgullikson88.github.io/blog