

# Kevin Gullikson

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[www.linkedin.com/in/KevinGullikson](http://www.linkedin.com/in/KevinGullikson) • [www.github.com/kgullikson88](http://www.github.com/kgullikson88) •

<http://kgullikson88.github.io/blog/>

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

**Skills:**

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

**Experience:** University of Texas – Researcher 09/10 to present  
Designed a large survey program, acquired and analyzed data for it, and presented results at several professional conferences and in peer-reviewed publications.

University of Texas – Teaching Assistant 09/10 to 05/13  
Led help sessions and office hours for several introductory astronomy courses. Designed lesson plans for small group activities to more clearly demonstrate the learning objective. Earned teaching certification May 2013.

Argonne National Laboratory – Researcher 05/09 to 08/10  
Used a very large scientific code base to simulate a physics experiment and optimize the materials used.

**Education:** Bachelors Degree  
Illinois Institute of Technology – awarded June 2010

Masters of Arts  
“Towards Spectroscopic Detection of Low Mass Ratio Binary Systems.”  
University of Texas – awarded August 2012

**Additional Experience**

Published an open source code for astronomical data analysis which is currently being used by several members of the astronomical community worldwide. The code is available at: <https://github.com/kgullikson88/Telluric-Fitter>

Created a data-centric blog focusing on applying machine learning algorithms to a variety of problems I care about: <http://kgullikson88.github.io/blog/>

**Awards**

Society of Physics Students Leadership Scholarship – awarded 2009

University of Texas Hutchison Fellowship – awarded 2013

Department of Astronomy Continuing Fellowship – awarded 2014