Jared Brooks

Current City	Santa Barbara, CA	**Website**	brooksjaredc.github.io
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Education

2012-now:
PhD program in Physics - UC Santa Barbara

- PhD: Physics (expected) — September 2017
- Master of Arts: Physics — March 2015
- Broida Fellowship — September 2012

2007-2011:
BSc in Physics - University of Southern California

- Minor in Mathematics
- Lick Scholarship - 2010

Teaching Experience

2012-2014, 2016:
Teaching Assistant at UC Santa Barbara

- Physics and Astronomy Classes
- Lower Division, Upper Division, and Grad Classes
- Preparing Lessons, Leading Classes, Grading Tests

2012-2017:
Teaching Assistant at MESA Summer School

- Annual week long course of lectures and labs
- Preparing and overseeing labs for lecturers
- Provide advice and debugging help

Programming Skills

Proficient:

- Python (NumPy, Pandas, Matplotlib, ...)
- Fortran
- R, RStudio

Familiar:

- SQL, MySQL
- HTML/CSS/Javascript
- git
- Ruby
- Mathematica
- Processing

Projects

Research Publications:

Three first-author and two coauthored publications in The Astrophysical Journal.

My Astrophysics research at UC Santa Barbara focused on using 1D stellar modeling software (MESA) to carry out simulations of white dwarf + helium star binaries engaged in mass transfer. I collaborated with scientists at Caltech, UC Berkeley, UC Santa Cruz, and Bonn University.

Super Cool Data Science project:

This cool data science thing runs on magnets!

Oh man, this thing is so cool, you won't believe it! There's a thing with stuff and stuff, and a thing for even more stuff. If you look at this thing you can see that things a and b and really thingy, and that means that you can do thing x, y and possibly even z.

Super Cool Data Science project:

This cool data science thing runs on gerbils!

Oh man, this thing is so cool, you won't believe it! There's a thing with stuff and stuff, and a thing for even more stuff. If you look at this thing you can see that things a and b and really thingy, and that means that you can do thing x, y and possibly even z.