

# Travis Scholten

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## EDUCATION

### University of New Mexico

PH D IN PHYSICS

August 2012 - Present | Albuquerque, NM

### California Institute of Technology

BS IN PHYSICS

August 2008 - June 2012 | Pasadena, CA

Cum. GPA: 3.4 / 4.0

## LINKS

Github:// [Travis-S](#)

LinkedIn:// [Travis Scholten](#)

YouTube:// [Travis Scholten](#)

Twitter:// [@Travis\\_Sch](#)

## SKILLS

### Programming

Over 20000 lines:

LaTeX

Over 1000 lines:

Python 2.7

Familiar:

Bash • HTML

### Tools

jeekyll • git • ipython

### Concepts

Statistics - Model Selection

## EXPERIENCE

### Sandia National Laboratories | STUDENT INTERN

May 2013 - Present | Albuquerque, NM

- Developed Python code base for scientific computation
- Learned to use HPC cluster(s)
- Presented several talks and a poster on my research

### University of New Mexico | TEACHING ASSISTANT

August 2012 - May 2013 | Albuquerque, NM

- Taught undergraduate labs and helped with a graduate level course
- Wrote personal lecture notes, graded homework assignments, and held office hours

### California Institute of Technology | TOUR GUIDE

June 2011 - June 2012 | Pasadena, CA

- Guided prospective students around campus and answered questions

### California Institute of Technology | SUMMER UNDERGRADUATE RESEARCH FELLOW

June 2011 - September 2011 | Pasadena, CA

- Wrote Matlab code for numerical simulations
- Presented research at annual speaking competition, where I advanced to the final round

## RESEARCH

### Sandia National Laboratories | STUDENT INTERN

May 2013 - Present | Albuquerque, NM

I work with Robin Blume-Kohout on problems related to statistical inference in quantum tomography. I am specializing in the use of **model selection and hypothesis testing** techniques to address these problems.

### California Institute of Technology | SUMMER UNDERGRADUATE RESEARCH FELLOW

June 2011 - September 2011 | Pasadena, CA

I worked with Spyridon Michalakis to **develop a Matlab code base for numerical simulation** to understand the computational efficiency of a particular model of quantum computation.

### University of California, Los Angeles | LAB ASSISTANT

June 2009 - September 2009 | Los Angeles, CA

I worked in Ya-Hong Xie's group characterizing graphene samples. We did so to understand how growth conditions of the graphene affected surface characteristics.

## AWARDS

2014	Student Research Grant	University of New Mexico
2012	Top 7	Perpall Speaking Competition, Caltech
2011	Amasa Bishop Prize	Caltech Study Abroad
2010	Don Shepard Award	Caltech
2008	National Merit Scholarship Finalist	