

Travis Scholten

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EDUCATION

UNIVERSITY OF NEW MEXICO

Ph D in Physics
August 2012 - Present |
Albuquerque, NM
Cum. GPA: 3.87 / 4.0
MS in Physics
June 2015

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:

L^AT_EX

Over 1000 lines:

Python 2.7

Familiar:

Bash • HTML

TOOLS

jeekyll • git • ipython

CONCEPTS

Statistics - Model Selection

TO DO

PROGRAMMING

Learn julia language

Learn GPU programming

CONCEPTS

Model Validation

Machine Learning

Data Mining

Software Management

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

PRESCIO CONSULTING | Student Intern

June 2015 - August 2015 | Casa Grande, AZ

- Worked with SAS code base for banking model sensitivity analysis
- Wrote articles for company website

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 | 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

2015 Student Research Grant
2014 Student Research Grant
2012 Finalist
2011 Amasa Bishop Prize
2010 Don Shepard Award
2008 National Merit Scholarship Finalist

University of New Mexico
University of New Mexico
Perpall Speaking Competition, Caltech
Caltech Study Abroad
Caltech