

Zachary Kenneth Fisher

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Mountain View, CA, USA 94043

<https://zachfisher.com>
<https://github.com/zfisher>

(Citizen of the United States of America)

EMPLOYMENT

Google Research Mountain View, CA
Software Engineer April 2020 –

Machine learning research, especially natural language processing.

Perimeter Institute for Theoretical Physics Waterloo, ON, Canada
Postdoctoral Researcher September 2017 – February 2020

It from Qubit postdoctoral fellow (Simons Collaboration on Quantum Fields, Gravity and Information).

University of California, Berkeley Berkeley, CA
Graduate Student Researcher June 2014 – December 2015, June – December 2016

Developed and proved new conjectures in holographic quantum gravity.

Research Laboratory of Electronics at MIT Cambridge, MA
Research Assistant June 2011 – December 2011

Lawrence Berkeley National Laboratory Berkeley, CA
Summer Research Assistant June – August 2009, July – August 2010

EDUCATION

University of California, Berkeley August 2012 – May 2017
Ph.D. in Physics awarded May 2017. Thesis title: “Entropy Bounds and Entanglement.”

Massachusetts Institute of Technology September 2008 – June 2012
S.B. Physics. Thesis title: “Shuttling of ions for characterization of a microfabricated ion trap.”

PUBLICATIONS

Author of seven publications (five peer-reviewed) in the field of high-energy physics, including:

- H. Z. Chen, **Z. Fisher**, J. Hernandez, R. C. Myers and S. M. Ruan. [hep-th/1911.03402](#)
“Information Flow in Black Hole Evaporation.” *Journal of High Energy Physics* 3 (2020).
 - R. Bousso, **Z. Fisher**, J. Koeller, S. Leichenauer, and A. Wall. [hep-th/1509.02542](#)
“Proof of the Quantum Null Energy Condition.” *Phys. Rev. D* 93, no. 2, 024017 (2016).
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SKILLS

Scripting languages

Python (including NumPy, SciPy, Tensorflow / Keras, PyTorch), Mathematica, MATLAB/Octave, JavaScript, PHP

Programming languages

C, C++, Objective-C

Other languages

HTML, CSS, SQL