

# Curriculum Vitae

## PERSONAL INFORMATION

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NAME: Shan Zhou  
GENDER: Male  
EDUCATION: 1st year Ph.D. student  
EMAIL: [shan\\_zhou@physics.ucsb.edu](mailto:shan_zhou@physics.ucsb.edu)  
PERSONAL WEBSITE: [shanzhou.xyz](http://shanzhou.xyz) (please check my website for the latest CV)

## RESEARCH INTERESTS

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String theory and mathematical physics. I have an open mind on pure mathematics.

## RESEARCH EXPERIENCE

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Current FEB 2018	Yau Mathematical Sciences Center, Tsinghua University <i>Higher Category and 3 + 1D Topological Order (Bachelor's Thesis)</i> , ADVISOR: <a href="#">Liang Kong</a>
Jan 2018 OCT 2017	Yau Mathematical Sciences Center, Tsinghua University <i>Holographic Entanglement Entropy</i> , ADVISOR: <a href="#">Wei Song</a>
Current FEB 2017	Department of Physics, University of Michigan <i>String Theory</i> , ADVISOR: <a href="#">Leopoldo Pando Zayas</a> and <a href="#">James Liu</a>
JAN 2017 AUG 2016	Institute for Advanced Study, Tsinghua University <i>Condensed Matter Theory</i> , ADVISOR: <a href="#">Zhengyu Weng</a>
JUL 2016 NOV 2015	Center for Quantum Information, Tsinghua University <i>Quantum Information &amp; Condensed Matter Theory</i> , ADVISOR: <a href="#">Alioscia Hama</a>
NOV 2015 APR 2015	Center for Quantum Information, Tsinghua University <i>Quantum Information Theory</i> , ADVISOR: <a href="#">Xiongfeng Ma</a>

## PUBLICATIONS

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James T. Liu, Leopoldo A. Pando Zayas and [Shan Zhou](#), *Subleading Microstate Counting in the Dual of Massive Type IIA*, arXiv:1808.10445  
James T. Liu, Leopoldo A. Pando Zayas and [Shan Zhou](#), *Comments on Higher Rank Wilson Loops in  $\mathcal{N} = 2^*$* , JHEP01(2018)047 - Published 11 January 2018  
Xiao Yuan, Quanxin Mei, [Shan Zhou](#), and Xiongfeng Ma, *Reliable and robust entanglement witness*, Phys. Rev. A **93**, 042317 - Published 12 April 2016

## EDUCATION

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<i>Current</i>	PH.D. STUDENT Department of Physics, <b>University of California, Santa Barbara, CA, USA</b>
SEP 2018	
JUN 2017	UNDERGRADUATE VISITING STUDENT: Department of Physics, FEB 2017 <b>University of Michigan, Ann Arbor, MI, USA</b>
JAN 2017	WINTER SCHOOL: UTS Quantum Computer Science School, JAN 2017 <b>University of Technology Sydney, Sydney, Australia</b>
JUL 2018	UNDERGRADUATE: Yao Class, Institute for Interdisciplinary Information Sciences, AUG 2014 <b>Tsinghua University, Beijing, China</b>