

# Hongxiang Chen

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No 1088, Xueyuan Rd., Xili, Nanshan District,  
Shenzhen, Guangdong,  
China

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Homepage: <http://github.com/we-taper/me/>

## Education

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**Southern University of Science and Technology of China (SUSTech)** Shenzhen, Guangdong

Bachelor of Science in Physics, July 2017

Advisor: Prof. Wu. Jiansheng

Graduation Paper:

*Classification of Topological Insulators* (in progress)

Research Interests:

*Condensed Matter Theory (classification, topological order, tensor network),*

*Statistical Mechanics and its application in Biophysics*

GPA: 3.76/4.00. Major GPA: 3.77/4.00. Major rank: 7/43

**Guangzhou Tieyi Middle School**

Guangzhou, Guangdong

High School, June 2013

## Skills and Knowledges

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Skills in addition to the regular physics curriculum

	<i>Physical Science</i>	<i>Mathematics</i>	<i>Computer Technology</i>
<b>Conversant</b>	Topological Insulators and Superconductors	Abstract Algebra, Advanced Linear Algebra	Programming Language (Java, Matlab), Vim
<b>Experienced</b>	Solid State Theory	(Real) Differential Geometry, Complex Geometry, Sheaf Cohomology	Programming Language (Python, Ruby), Linux System Administration
<b>Acquainted</b>	Quantum Many-body Theory	Discrete Mathematics	Program Algorithm Design,

Soft skills

- Confident presentation skills.

## Activities

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## poster presentations

*My Panopticon*

English Class: SUSTech

December 2014

*A Review On Carbon Nanotube*

General Chemistry Class: SUSTech

January 2014

*Advances in Origami*

English Class: SUSTech

November 2013

## other activities

*Caring for primary school children*

SUSTC Volunteer Association

2014

*Asia-Pacific Robotics Championship China Qualifier - High School*

Taipei Yong-Le Elementary School

October 2011

## Social Connections

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Note: I am often nicknamed *we.taper* or just *taper* on the Internet.

Github

<http://www.github.com/we-taper/>

Physics StackExchange

<http://physics.stackexchange.com/users/45384>

Personal Notes

<https://github.com/we-taper/Draft/>

My high school VEX Robotics team information on VexDB

<https://goo.gl/tR16Mr>

## Hobbies

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- An all-encompassing attitude towards a diverse genres of music, from classics to punk. Each suits different emotions.

Favorites: Symphony No. 5 (Beethoven), Goldberg Variations (J.S. Bach), Guangling San (Unknown), Civil War (Gun N' Roses), Hotel California (Eagles).

- Handicrafts. Favorites: Lego, Zhezhi (also called Origami by the Japanese).

## Honors and Awards

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*Excellent Student Scholarship* (¥1500)  
SUSTech

October 2016

*College Start-up scholarship* (¥6000)  
SUSTech

October 2016

*College Start-up scholarship* (¥6000)  
SUSTech

October 2015

*Second Place in Debating Competition*  
Student Debating Union, SUSTech

January 2015

*College Start-up scholarship* (¥6000)  
SUSTech

October 2014