

## Shuhao Tan

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### EDUCATION

08/2016-present University of Maryland, College Park  
(In progress) Department of Computer Science  
PhD in Computer Science  
09/2012-06/2016 The Hong Kong University of Science and Technology  
School of Engineering, Department of Computer Science  
Bachelor of Engineering in Computer Science (First Class Honor), Minor in Mathematics

### ACADEMIC EXPERIENCE

- Member of ACM/ICPC Programming Team  
*The Hong Kong University of Science and Technology* 09/2013-06/2016  
Responsible for Number Theory, Combinatorics and Graph Theory problems in team.  
Achieved school rank 7<sup>th</sup> in 2014-2015 ACM/ICPC Regional Contest (Taichung).  
Earned Gold Medal in 2015-2016 ACM/ICPC Regional Contest (Shanghai).
- Final Year Thesis  
*The Hong Kong University of Science and Technology* 04/2015-04/2016  
On extending results for small-set expansion to directed graphs.  
Using Spectral Graph Theory approach, aiming to uncover properties of higher eigenvalues for a directed graph.

### AWARDS & SCHOLARSHIPS

- *Academic Achievement Medal* from **HKUST**, 2016
- *Dean's List* from **School of Engineering, HKUST**, 2012-2013 Fall & Spring, 2013-2014 Fall & Spring, 2014-2015 Fall & Spring.
- *Academic Excellence Award* from **HKUST**, 2013-2014, 2014-2015, 2015-2016.
- *The Cheng Foundation Scholarship for Chinese Mainland Undergraduate Students*, 2013-2014, 2014-2015.
- *University Scholarship* from **HKUST**, 2012-2013

## **VOLUNTEER & EXTRACURRICULAR EXPERIENCE**

- Executive Committee Member at Film Society, HKUST. 03/2013-03/2014

As IT Secretary, designed and wrote a fully-functional interactive website exploiting HTML5/CSS3/JS.

As Person-in-Charge of Video Workshop, organized the event to introduce video editing skills to students.

- Student Helper at Munich Chamber Orchestra Concert in HKUST. 10/2012

## **LANGUAGES & PROGRAMMING SKILLS**

- Native **Mandarin**, Fluent **English**, Basic **Cantonese**
- C/C++ (especially for C++11/14), Python, HTML5/CSS3/JavaScript,  $\LaTeX$ , Lua