

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 7th 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, L^AT_EX, Lua