

# WAH LOON KENG

*An undergraduate theorist who loves solving real world problems in math, computer science and physics.*

Box 7277, Lafayette College, 111 Quad Drive, Easton, PA 18042

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<https://github.com/kengz>

## EDUCATION

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<b>Lafayette College, Pennsylvania</b>	expected May 2016
B.S. in Mathematics, Minor in Computer Science	Overall GPA: 3.86
<i>An undergraduate theorist who loves solving real world problems in math, computer science and physics.</i>	

## AWARDS

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Lafayette College Benjamin F. Barge Mathematical Prize	2014
<b>First, Second, Third</b> - Lafayette College Barge Math Competitions	2013 - 2014
<b>Second</b> - LVAIC Regional College Math Competition	2012
<b>Dean's List</b> - Lafayette College	2012 - 2014
<b>Gold, Top 5 team</b> - National Physics Competition, Malaysia	2010
<b>Gold</b> - ICAS International Math Competitions, University of New South Wales	2009

## RESEARCHES

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<b>Lafayette College EXCEL Program</b>	Summer & Fall 2013
<i>Computational Geometry with Dr. Ge Xia.</i>	

- Delaunay Triangulation, graphs, spanner problems. Proved that the Yao-5 graph, useful in wireless networks, is a spanner, i.e. short distance always exists.  
*Published: New and Improved Spanning Ratios for Yao Graphs, Barba et.al.*  
*GitHub: Yao-Graph-Research.*

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<b>Perimeter Institutes for Theoretical Physics Summer Student</b>	Summer 2014
<i>Quantum Foundations with Dr. Matthew Pusey and Dr. Tobias Fritz.</i>	

- Correlations in the C3 causal structure. Used Quantum Computation and Information theory to study the foundations and differences between quantum and classical physics.  
*Unpublished: Correlations in C3 and BlockCode and Bundled Form, W.L. Keng.*

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<b>Fulcrum Tech, Inc</b>	Fall 2014 - Present
<i>Email Standard Research</i>	

- Developed HTML email template that renders consistently with responsiveness across all email clients.  
*GitHub (private): HTML-Email-with-Sass, html-email-generator.*

## WORK EXPERIENCE

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Email Researcher and Coder, Fulcrum Tech, Inc	2014 - Present
Graphic Designer and Proctor, Lafayette College Foreign Languages Dept.	2014 - Present
Physics Student Grader, Lafayette College	2012 - Present
Physics Supplemental Instructor, Lafayette College	Spring 2014

## LANGUAGES

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<b>Computer</b>	Proficient: Java, C++, HTML/CSS/Sass, Mathematica, LaTeX Elementary: C, Matlab
<b>Spoken</b>	Fluent: English, Chinese, Malay, Cantonese, Hokkien