

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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|---|-------------------|
| Lafayette College, Pennsylvania | 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 |
| First, Second, Third - Lafayette College Barge Math Competitions | 2013 - 2014 |
| Second - LVAIC Regional College Math Competition | 2012 |
| Dean's List - Lafayette College | 2012 - 2014 |
| Gold, Top 5 team - National Physics Competition, Malaysia | 2010 |
| Gold - ICAS International Math Competitions, University of New South Wales | 2009 |

RESEARCHES

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| Lafayette College EXCEL Program | 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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| Perimeter Institutes for Theoretical Physics Summer Student | 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Unpublished: Correlations in C3 and BlockCode and Bundled Form, W.L. Keng.

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| Fulcrum Tech, Inc | 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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| Computer | Proficient: Java, C++, HTML/CSS/Sass, Mathematica, LaTeX Elementary: C, Matlab |
| Spoken | Fluent: English, Chinese, Malay, Cantonese, Hokkien |