

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

(484) 542-3520

kengw@lafayette.edu

<https://github.com/kengz>

EDUCATION

Lafayette College, Pennsylvania

B.S. in Mathematics, Minor in Computer Science

expected May 2016

Overall GPA: 3.86

AWARDS

Lafayette College Benjamin F. Barge Mathematical Prize

2014

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

Fulcrum Tech, Inc

Fall 2014 - Present

Email Standard Research

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

Perimeter Institutes for Theoretical Physics Summer Student

Summer 2014

Quantum Foundations with Dr. Matthew Pusey and Dr. Tobias Fritz.

- 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Unpublished: `Correlations in C3` and `BlockCode` and `Bundled Form`, W.L. Keng.

Lafayette College EXCEL Program

Summer & Fall 2013

Computational Geometry with Dr. Ge Xia.

- 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`.

WORK EXPERIENCE

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

Computer

Proficient: Java, C++, HTML/CSS/Sass, Mathematica, LaTeX
Elementary: C, JS, Matlab

Spoken

Fluent: English, Chinese, Malay, Cantonese, Hokkien