Ka Kin Kenneth Hung

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Education

UNIVERSITY OF CALIFORNIA; BERKELEY, CA – 2014-PRESENT

Ph.D. in Mathematics, in progress

CALIFORNIA INSTITUTE OF TECHNOLOGY; PASADENA, CA – 2010-2014

B.S. with honor in Mathematics with Computer Science Minor

Research and Work

PHD RESEARCH; BERKELEY, CA – 2013

Developing various procedures to account for selection bias (Advisor: Prof. Will Fithian) – Mathematical proofs, simulation using Python, Matlab and R, and meta-analysis of aggregate data collected in other scientific domains

SUMMER UNDERGRADUATE RESEARCH FELLOW; PASADENA, CA – 2013

Critical Groups of Strongly Regular Graphs (Mentor: Dr. M. Omar) – Adopted CASs such as SAGE and Macaulay2 to discover patterns in the critical groups and proved hypothesis related to strongly regular graphs

SOFTWARE ENGINEERING INTERN, FACEBOOK INC.; MENLO PARK, CA – 2012

Pages Team – Implemented various UI elements to encourage pages admins to include more places information, e.g. location and hours, and displaying crowd-sourced information

SUMMER UNDERGRADUATE RESEARCH FELLOW; PASADENA, CA – 2011

Optimizations of the Quasicontinuum Method on Lattice Structure Computation (Mentor: Dr. M. Ortiz) – Analyzed and approximated with Matlab the total energy to determine the displacements of lattice atoms

Honors and Awards

Scott Russell Johnson Undergraduate Prize, Caltech – 2014

The Robert P. Balles Caltech Mathematics Scholars Award, Caltech – 2013

H. J. Ryser Scholarships, Caltech – 2013

Fredrick J. Zeigler Memorial Award, Caltech – 2012

International Mathematical Olympiad – Bronze in 2011; Silver in 2010