

# KENNY CHANG

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## EDUCATION

*B.S. Mathematics + M.S. Electrical Engineering*, Stanford University (Spr 2018)  
*General Visiting Student in Electronic Engineering*, Tsinghua University Fall 2016  
*High School Diploma*, Fairmont Preparatory Academy Spr 2014  
SAT CR: 800, M: 770, W: 760, Total: 2330

## AWARDS

*Honor Roll*, William Lowell Putnam Mathematical Competition Fall 2015  
Ranked in the top 500 in nationwide intercollegiate math competition

## EXPERIENCE

*Engineering Intern*, Federal Communications Commission (FCC) Media Bureau Sum 2017  
Final presentation to the Engineering Division concerning the effects of COFDM modulation on implementing the next-generation broadcast TV standard (ATSC 3.0)  
*Research Intern*, Stanford Department of Electrical Engineering (PI: Ayfer Özgür) Sum 2016  
Theoretical project examining the information theoretic constraints on wireless signaling under a stochastic or unreliable power source, as in an energy harvesting device  
*ML/Signal Processing Intern*, SETI Institute Spr 2016  
Used sophisticated machine learning to develop data mining algorithms for analyzing massive noisy and unstructured extraterrestrial signal data in a distributed setting

## SKILLS

*Computer Languages*: MATLAB ●●●, Python ●●●, R ●●●, C++ ●●○, C ●●○, Java ●○○  
*Human Languages*: English ●●●●, Spanish ●●●●, Mandarin ●●●○, Cantonese ●●○○  
*Other*: bash, relational databases, L<sup>A</sup>T<sub>E</sub>X, Apache Hadoop, Apache Spark, Verilog

## COURSES

– Computer Networking	– Circuit Design and Analysis	– Complex Analysis
– Wireless Information Theory	– Mining Massive Data Sets	– Stochastic Processes
– Network Information Theory	– Modern Communications	– Statistical Inference
– Digital Signal Processing	– Convex Optimization	– Algorithm Design

## STUDENT ORGANIZATIONS

*Co-President*, Hong Kong Student Association Fall 2015 –  
*Multicultural Programming Coordinator*, Lambda Phi Epsilon Spr 2016 –  
*Student Staff*, Institute for Diversity in the Arts Spr 2017 –