CISSY CHEN

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EDUCATION

2016 **Princeton University,** Princeton, NJ
Computer Science & Applied Mathematics
GPA: 3.9, *Tau Beta Pi*
Relevant Coursework: Classical Mechanics, Quantum Mechanics, Numerical Methods; Complex Analysis; Artificial Intelligence; Programming Systems; Computation Theory; Entrepreneurship; Networks

EXPERIENCE

2015 **KPCB Engineering Fellow,** Nextdoor Inc.
Full-stack Web: responsible for Compose message feature. Refactored existing private message functionality and implemented tracking and data analysis of results from launch to all 70,000 neighborhoods. Mobile iOS: created extensible web view to handle a verify neighbors page on native app. Project will serve as the prototypical example of using a native-feeling web view instead of native in appropriate situations.

2015 **President,** Innovation Journal of Science & Technology
Led executive team of 100+ member organization devoted to science communication. Spearheaded initiatives to help organization pivot. Managed several teams, including Events, Social Media/Marketing, and Business.

2014 **Research Intern,** Princeton Electrical Engineering Department
As a Plasma Science & Technology intern, worked on determining magnetron sputtering conditions for preparing films of the semiconductor zinc oxide for use in thin-film transistors.

2013 **SAT Academic Adviser**, WBG Internationals LLP
Led, organized, and taught new online SAT preparation course for international high school students.

2013 **Research Intern**, Princeton Physics Department
Used CERN's GEANT4 software to code particle simulations to test different experimental setups for relic neutrino detection project PTOLEMY at the Princeton Plasma Physics Lab.

SKILLS

Languages: Java, Python, JavaScript, C/C++, Objective C
Tools/Frameworks: Django, Backbone.js, Underscore.js, jQuery, Git
Computational Tools: Matlab, Mathematica, Tableau

HONORS

2013 **Princeton Shapiro Prize for Academic Excellence**
Awarded to top 3% of freshman and sophomore classes based on academic excellence.

2013 **Princeton Bell Burnell Physics Award**
Based on early interest in physics research and performance in physics classes.

2012 **U.S. Presidential Scholar**
141 high school seniors are chosen on the basis of academic excellence, leadership, and service by a White House commission.

2011 **Intel International Science & Engineering Fair Finalist**
Completed self-guided research in mathematics on cyclic groups in abstract algebra. Conjectured and proved a theorem about the cyclicity of groups through an new algebraic approach.