KINJAL SHAH

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EDUCATION
Harvey Mudd College, Claremont, CA – B.S., **CS-Math Major**. Expected May 2019. Cumulative GPA: **3.71 (**Dean's List**)**
United World College of South East Asia, East Campus, Singapore – IB Diploma – May 2015

Relevant Coursework
Current: Data Structures and Program Development, Logic and Computability, Abstract Algebra, Intro to Psychology
Completed: Principles of Computer Science, Intro to Computer Science, Discrete Mathematics, Probability and Statistics, Differential Equations and Linear Algebra II, Intro to Cognitive Science, Financial Economics, Economics of Oil and Energy

AWARDS
Former Junior Mental Math World Champion   Fall 2008
  • Declared Junior Mental Math World Champion on securing 1st position in a competition held in Germany.
Merit Certificate, National Science Olympiad   Spring 2013
  • Distinctive performance for securing 7th position internationally, competing with more than 10,000 students.

SKILLS
  • Java, Python, C++, Android Mobile Development, HTML, CSS
  • Can compute the square of any 2-digit number in my head, in less than 3 seconds
  • Can deduce the day of week from the date for any date in the last five centuries, in my head in less than 7 seconds

COMPUTER SCIENCE PROJECTS
Author Style Analysis – Text Identification   Fall 2015
  • Developed a statistical model to predict the author of a text. It compares the writing style of authors of any chosen texts to determine which of the chosen authors is the likelier author of a third unknown text.
  • Used dictionaries as the primary data structure and implemented object-oriented programming.
Connect Four AI   Fall 2015
  • Wrote a program using object-oriented programming, which allows user to play Connect Four with the computer.
  • Computer makes an informed decision that can beat the average player, based on the Minimax algorithm.

WORK EXPERIENCE
Intern at Facebook, Facebook University   Summer 2016
  • In a team of 3 students, over 8 weeks, learnt, designed and developed an android mobile application that provides a platform for users to market products they wish to sell and search for products they wish to buy.
Tutor and Grader, Computer Science Department   Fall 2016 – Present
  • Tutored freshman and sophomores enrolled in a data structures class (Java).
  • Graded assignments for a course in data structures in Computer Science in Java.
Intern at Red Shoe Communications, Singapore   Summer 2014
  • Designed and shoe-modeled for a photo, which represents the company's nature and its objectives. Photo displayed on the homepage of the company's website.
  • Made a marketing video to illustrate the symbolism associated with the company's name. Video displayed on website.

RESEARCH EXPERIENCE
Extended Essay in Chemistry, United World College, Singapore   Summer 2014
  • Designed and conducted an experiment to test effect of the type of alcohol used on rate of Fischer-Speier esterification reaction.
  • Developed a research discipline and acquired the skill to learn and grasp new ideas, concepts and theories quickly.
  • Wrote a self-directed research paper, 42 pages.

LEADERSHIP EXPERIENCE
Board Member, Claremont Colleges Hindu Society   Fall 2015 - Present
  • Help in the planning of two 5-college wide events – Diwali and Holi, with the primary role of attracting sponsors from clubs and organizations across the five campuses.
Planning Committee, TED x Claremont Colleges   Fall 2015 – Spring 2016
  • Selected as one of the two marketing ambassadors for Harvey Mudd.
  • Promote the TEDx conference to parents, students, staff, faculty and alumni.