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| **Education** | **Massachusetts Institute of Technology (MIT)** Cambridge, MA  Candidate for B.S in Biological Engineering/ Electrical Engineering and Computer Science May 2016  Current Courses: Differential Equations, Thermodynamics, Introduction to EECS  **Torrey Pines High School** San Diego, CA  GPA: 4.56 (4.0 scale); SAT: 2370 June 2012  Relevant Courses: AP Chemistry; AP Biology; AP Calculus BC; AP Physics C, AP Computer Science |
| **Work Experience** | **Jeffery D. Esko Lab, University of California, San Diego, School of Medicine**  San Diego, CA  *Researcher* Jun. – Aug. 2011   * Investigated Lysosomal Storage Disease (MPS) pathology * Examined possible substrate reduction and enzyme replacement treatment strategies   **Torrey Pines High School Chemistry Laboratory** San Diego, CA  *Researcher* Nov. 2009 – Mar. 2010   * Analyzed clock reactions of mercury and chromate and transformed reactions to reduce lab hazards * Introduced reaction simulations into high school classes   **Carmel Valley Area** San Diego, CA  *Tutor* Feb. 2011 – Feb. 2012   * Clarified concepts in chemistry, physics, algebra, and other science and math subjects. |
| **Leadership** | **JOURNYS, Inter-High School Science Journal** San Diego, CA  *College Team Leader, Senior Editor, Publicity Officer, Staff Author* Sept. 2009 – Present   * Currently leading projects creating pilot chapters nationwide and bridging into universities * Proofread articles and authored one article per issue * Oversaw article selection and editing stages for four quarter issues per year * Publicized the science journal across San Diego County and across the nation   **Swimming, Club and High School Varsity** San Diego, CA  *Senior Leader and Team Member* Sept. 2008 – Present   * Overseeing dryland, yoga, and stretching sessions * Coaching swimmers ages 5-13 and developing their swim technique and enthusiasm for the sport   **Academic Team, Torrey Pines High School** San Diego, CA  *Varsity Team Member* Sept. 2008 – May 2012   * Coordinated high school’s quiz bowl tournament * Organized study sessions, leading team to Coastal Division Champions four times |
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| **Skills** | **Lab:** Molecular Biology Techniques (ex. PCR, gel electrophoresis, bacteriophage plating and propagation, fluorescence microscopy);  **Technology:** Microsoft Office; Adobe Photoshop; experience in Java and MATLAB  **Foreign Languages:** fluent in Mandarin Chinese |
| **Activites/**  **Interests** | **America Chinese Culture and Education Foundation Choir*,*** member 2010-2011  **HuaXia Chinese School Volunteer.** Total 70 hours. 2009-2011  **Piano:**  Level 10 Certificate of Merit 2008-2010 |
| **Honors/ Awards** | **National Merit Finalist** 2012  **2012 Physics Olympiad Semifinalist** 2012  **2012 Biology Olympiad Semifinalist** 2012  **National Chemistry Olympiad Finalist** 2010 and 2011  **1st Place in San Diego Chemistry Experiential Contest** 2011  **Varsity Swim Team Coach’s Award** (Leadership, Sportsmanship, and Work Ethic**)** 2010 and 2011  **USA Swimming All-American** 2011 |