

SHIN NEE S. WONG

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Education

Massachusetts Institute of Technology

Cambridge, MA

June 2012. Candidate for Bachelor of Science Degree in Mathematics with Computer Science.

Relevant Coursework: Calculus I, Calculus II (18.022), Physics I, Physics II (8.022), Differential Equations | IAP 2009: Battlecode 2009, C, Crash Course in Scheme, Lectures in Web-programming (HTML, DOM, CSS, JavaScript, SQL, PHP, JSON, and AJAX)

National University of Singapore (NUS) High School of Mathematics and Science

Singapore

November 2008. Major with Honors: Biology, Mathematics, Physics. Major: Chemistry

Experience

Microsoft: Explorer Intern

June 2009 - August 2009 Redmond, WA

Selected to work with three other interns in Microsoft Exchange User Experience. Developed an extensible user-run mailbox connectivity test.

MJ Services (Chattels): Intern, Mobile Secretary and Web Master

Feb 2008 – July 2008 Singapore

Oversaw three portfolios. Outlined an action plan after face-to-face interactions with clients. First-hand experience with understanding client profile and building client-service provider rapport. Analyzed time-series property indices.

A*STAR Institute of Bioengineering and Nanotechnology: Student Researcher

Nov 2007 – Dec 2007 Singapore

Learned new software for machine operation. Quantitative data analysis. Resulted in a portable and precise assay of glutathione, an indicator of cellular toxicity. Won a Bronze Award at the Singapore Science and Engineering Fair in 2008.

Harvard-Partners Center for Genetics and Genomics: Associate Researcher

June 2007 – Dec 2007 Cambridge, MA

Examined massive amounts of numerical data with Matlab. Developed a new formula for weighting strength of associations between nodes in networks. Constructed the first biological meta-ontology. Co-wrote a review paper for submission.

Math Tuition: Math Tutor

March 2007 – Dec 2007 Singapore

Meticulous note-taking and time management skills. Taught Algebra, Trigonometry, Probability and Counting, and Calculus from elementary to high school level.

Leadership/Activities

MIT Singaporean Student's Society

Member: 2008 - 2009. Treasurer: 2009 - 2010.

Sets financial goals and event resource allocation for the year. Responsible for application of funds to the Overseas Singaporeans Unit and Graduate Student Council.

MIT's Undergraduate Association

New House Senator: September 2008 - September 2009.

Represents dormitory in undergraduate affairs. Actively encourages student participation in influencing administrative decisions.

NUS High School of Mathematics and Science

Student Council

Member: 2003 – 2005. Executive Committee: 2005 – 2007

Proposed, spearheaded and actualized the Student Suggestion Scheme, the first program that gave students the opportunity to submit proposals on improving any aspect of student life directly to the administration.

National Education (NE) Ambassadors

Vice President: February 2007 – May 2008

Introduced and executed weekly news-related "thinking" discussion sessions of political, financial and social talking points on a school wide basis to more than 700 students. Led to a 35% increase in student interest in current affairs.

Taekwondo Lodges Program

Founder/President: February 2007 – May 2008

Founded the first ever student group for Taekwondo, aimed at beginners who wanted to experience an alternative sport. Managed an enrollment of 35 students achieving grades up to Green belt in 6 months.

Selected List of Achievements

National Collegiate Weather Forecasting Competition WxChallenge 2010 - 1st Place - Individual (First Location), 2009 - 2nd Place Team (Overall); iPhone Scholarship 2009; Battlecode 2009 – Third Round (MIT Only); Australian Informatics Competition – Credit: 2008; Singapore Science and Engineering Fair - Bronze: 2008; American Invitational Mathematics Examination: 2007, 2008; American Mathematics Competition 12 - Distinction: 2007, 2008; Australian Mathematics Competition 12/10 - High Distinction/Distinction/Credit: 2004, 2006, 2008; Singapore Mathematical Olympiad - Bronze/Honorable Mention: 2003, 2005, 2006; Rio Tinto Big Science Competition - Distinction: 2006; The University of New South Wales International Competition for Schools – Distinction: 2006; The Stock Challenge - Winner's Circle: 2005; Konigsberg Bridge Problem – Silver: 2004

Interests

Alternate on the MIT Federal Challenge Team 09-10. Member of [Traders@MIT](#). Participated in the Spring Trading Competition. Avid Set player, Rubik's Cube novice, Reversi, Weiqi and Sudoku enthusiast.

Skills

Some (Matlab, Mathematica, Java, C), LaTeX, Microsoft Excel, PowerPoint. Fluent in Mandarin.