Xiaoyi Wang

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EDUCATION:

Massachusetts Institute of Technology (MIT)   Cambridge, MA
GPA: N/A   June 2020
Eugene and Margaret McDermott Scholar
Intended Major: Electrical Engineering and Computer Science, Finance
Relevant Courses: Multivariable Calculus, Physics II: Electricity and Magnetism, Introduction to EECS, Introduction to International Relations

Clear Lake High School: Houston, TX
GPA: 4.0/4.0   SAT: 2380   June 2016

SKILLS AND INTERESTS

- Proficiency with Java/Python, experience with HTML/CSS, MATLAB, JavaScript
- Working Proficiency in Chinese, French, and English
- Interested in studying the intersection of computer science and business

COMPUTER SCIENCE EXPERIENCE:

UROP at MIT Media Lab, *Researcher*   Feb 2017 – Present
- Developing a machine learning algorithm using TensorFlow that is able to analyze facial features and incorporating the data into the NAO robot's motions
- Studying personalized machine learning for health and human development through mas.s61
- Designing custom responses for the robot using Choreographe

AINS®, *Software Engineer*   Jan 2017 – Feb 2017
- Created a web application using a Google API that allows the user to create custom code tailored for AINS using blocks of commands in order to facilitate the ease with which users interact with the AINS eCase Management system
- Developed hundreds of lines of code in HTML and JavaScript

UROP at MIT D-Lab, *Researcher*   Nov 2016 – Jan 2017
- Developed a circuit that amplifies the signal from a CO detector that will be used in villages in Uganda in order to study adoption patterns and quantify air quality
- Assisted the creation of a machine learning algorithm that is able to analyze the data from temperature sensors

UTMB Sealy Center for Structural Biology and Molecular Biophysics, *Researcher*   June 2015 – Aug 2015
- Simulated motion and compared efficiency of different ligands with respect to the activation of the protein Epac2
- Learned coding in Python to manipulate programs in order to simulate different environments
- Created visual analysis of Epac2 using molecular dynamics simulations as well as APBS

LEADERSHIP AND ACTIVITIES:

TechX, *MakeMIT Financial Representative*   Oct 2016 – Present
- Collaborates on a team of 11 to organize the biggest hardware hackathon in the nation by managing logistics as well as corporate relations
- Handles thousands of dollars of funds from sponsors and allocates money towards buying supplies for the event

Maseeh House Executive Committee, *Treasurer*   Dec 2016 - Present
- Develops a budget for the year that allocates $10,000+ to events hosted by various floors in Maseeh Hall
- Plans biweekly study breaks for more than 500 undergraduate students

MIT Consulting Group, *Consultant*   Oct 2016 – Present
- Provides financial and marketing consultation for organizations from Fortune 500 companies to start-ups
- Analyzes product placement and distribution to maximize profit returns and brand recognition

Houston Mayor's Youth Council, *Executive Council Community Engagement Head*   Oct 2014 – June 2016
- Helped orchestrate the "Souper Bowl of Caring Food Drive" which involved 80+ students
- Initiated discussions with city council members about education and teenage engagement to facilitate better communication

HONORS AND AWARDS:

July 2016	Executive Women International Scholarship National 1st Place Winner
March 2016	Texas Forensics Association State Semifinalist for Extemp. Speaking (Top 18 in Texas)
March 2016	National Biology Olympiad Semifinalist (Top 500 in the nation)
February 2016	Debate National Tournament of Champions Qualifier for Foreign Extemporaneous Speaking
April 2015	Top 50 Finalist in the US National Chemistry Olympiad (USNCO) Competition