

Xiaoyi Wang

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EDUCATION:

Massachusetts Institute of Technology (MIT)	GPA: 5.0/5.0	Cambridge, MA
<i>Bachelor of Science in Electrical Engineering and Computer Science, McDermott Scholar</i>		
<i>Relevant Courses:</i> Introduction to EECS, Introduction to MATLAB, Fundamentals of Programming, Math for CS, Introduction to Machine Learning, Computation Structures, Introduction to Algorithms		
Clear Lake High School (CLHS)	GPA: 4.0/4.0	Houston, TX
<i>Salutatorian in class of 565</i>		
<i>Awards:</i> Texas Forensics Association State Semifinalist for Extemp (Top 18), National Tournament of Champions Qualifier for Foreign Extemporaneous Speaking		

SKILLS:

<i>Programming Languages:</i>	Python, JavaScript, HTML, CSS, Java (basic), MATLAB (basic)
<i>Software:</i>	Eclipse, Jenkins, TensorFlow (basic), Terraform (basic), Docker (basic)
<i>Database & OS:</i>	Firebase, MySQL (basic), Mac OS (basic)

EXPERIENCE:

MIT Media Lab, Researcher	Feb 2017 – Present
<ul style="list-style-type: none">Trained a regression model using imaging data and TensorFlow in order to classify facial expressionsUsed a Gaussian Process to model the level of engagement from images using the GPflow LibraryIntegrated the facial data into the NAO robot's response to human interactions in order to engage children with autism	
MediaMath, Software Engineering Intern	May 2017 – Aug 2017
<ul style="list-style-type: none">Designed and developed a NodeJS web application that automatically creates a verification checklist for each deploy cycle which will speed up each deployment process by a dayWorked with Terraform, Docker, and Jenkins to create a pipeline for deploying and testing both the front-end and back-end of the applicationLearned about QA testing, program infrastructure, and UI design	
AINS®, Intern	Jan 2017 – Feb 2017
<ul style="list-style-type: none">Used a Google API in order to create a web application 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 systemDeveloped interface for the application to integrate with the rest of the system	
Mobile VR Development Challenge, Participant	Jan 17 – 29 2017
<ul style="list-style-type: none">Created a VR application for Google Daydream that involves virtually navigating a maze in a post-apocalyptic landscape and escaping before the timer runs out	
HackMIT, Participant	Sept 17 – 18 2016
<ul style="list-style-type: none">Worked on an application that simulated a virtual band by using Leap Motion as the physical interface to allow the player to “play” the instruments	
UTMB Sealy Center for Structural Biology and Molecular Biophysics, Researcher	June 2015 – Aug 2015
<ul style="list-style-type: none">Simulated motion and compared efficiency of different ligands with respect to the activation of the protein Epac2Created visual analysis of Epac2 using molecular dynamics simulations as well as APBS	

LEADERSHIP AND ACTIVITIES:

TechX, MakeMIT Financial Representative	Oct 2016 – Present
<ul style="list-style-type: none">Collaborated on a team of 11 to organize the biggest hardware hackathon in the nation by managing logistics as well as corporate relationsHandled thousands of dollars of funds from sponsors and allocated money towards buying hardware for the 24-hour event	
MIT Consulting Group, Team Lead	Oct 2016 – Present
<ul style="list-style-type: none">Analyzed product placement and distribution to maximize profit returns and brand recognitionLed a case team to undertake a semester-long project involving UX analysis for a healthcare company which culminated in a presentation in front of several senior company representatives	
Maseeh House Executive Committee, Treasurer	Nov 2016 – Present
<ul style="list-style-type: none">Determined and allocated \$30,000+ to events hosted by Maseeh House, the largest undergraduate dormWorked with the house master and floor mentors to facilitate a successful freshman transition	
Debate, Captain	Aug 2012 – June 2016
<ul style="list-style-type: none">Organized annual school-hosted debate tournament that was attended by 20+ schoolsPrepared novices for their debate tournaments by hosting practice tournaments as well as research sessions	

HONORS AND AWARDS:

July 2016	Executive Women International Scholarship National Winner
March 2016	US National Biology Olympiad Semifinalist (Top 500)
April 2015	US National Chemistry Olympiad Finalist (Top 50)