CINDY WANG

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EDUCATION

Massachusetts Institute of Technology   **Cambridge, MA**
Candidate for Bachelor of Science in Electrical Engineering and Computer Science   *Aug 2019 - May 2023*
Relevant coursework taken: Fundamentals of Programming; Computer Thinking & Data Sci;
CS Programming in Python; Computer Algorithms; Web Development

The Harker School   **San Jose, CA**
High School Diploma, GPA: 4.53/4.7   *Aug 2015 - May 2019*

EXPERIENCE

Habit Aquarium, MIT web.lab Course   *Jan 2020*
- Developed a habit tracking web app (habitaquarium.herokuapp.com) as part of the web.lab course at MIT
- Built the frontend using React and the backend using NodeJS. Stored user data in MongoDB

Assistant Debate Coach, The Harker School   *Jul 2019 - present*
- Mentored high school students through tournament preparation and led efficient evidence sharing.

Business Operations Intern, TAL   *Jun 2019 - Jul 2019*
- Analysis, interpretation, and reporting of service and sales data.
- Identified trends in Competition Math class enrollment and improved promotional strategies.
- Designed and implemented reports to analyze and display data for all assigned projects.
- Developed free trial marketing system for Internet education platform.

Teaching Assistant, Harker Summer Institute   *Jul 2018 - Aug 2018*
- Mentored middle school students in App Inventor and Advanced Debate enrichment classes.

Student Science Training Program (SSTP)   *Jun 2017 - Aug 2017*
- Applied a machine learning approach using Tensorflow for absorption line detection in astrophysics; second author of paper published in Monthly Notices of the Royal Astronomical Society

AWARDS

Presidential Scholar Semifinalist 2019
Regeneron Science Talent Search Top 300 Scholar 2019
- Title: "Analyzing Gamma-ray Emissions of High-energy Blazars to Probe the Extragalactic Background Light"
- Data analysis using the Fermi Science Tools Python package
- Analyzed newest dataset to invalidate current models for extragalactic background light using Python

Math and Physics Competitions
- Qualified to USAPhO 2017; Qualified to AIME 2014, 2015, 2016, 2017, 2018, 2019
- 1st prize BAMO-8 2014, Honorable mention BAMO-8 2015, Honorable mention BAMO-12 2016

Santa Clara Valley Science and Engineering Fair Synopsys 2016
- 1st place in Physical Science and Engineering
- Created app for drone flight path charting for DJI Phantom 3 in Android Studio using Google Maps and spline interpolation.

President's Volunteer Service Award (938 hours of service total)
- Bronze '09, Gold '10, Gold '11, Gold '12, Silver '13, Silver '14, Silver '15, Bronze '16, Bronze '17, Bronze '18

TECHNICAL SKILLS

Programming:	Java, Python, HTML, CSS, JavaScript, NodeJS
Typesetting & Mathematics:	LaTeX, Mathematica, MATLAB
Operating Systems:	Linux and other UNIX-like environments, Mac OS, Windows

ACTIVITIES

MIT Cheerleading	**MIT Asian Dance Team**
MIT Figure Skating	**Society of Women Engineers**
Women in EECS (WiEECS)	**Alpha Chi Omega - Theta Omicron Chapter**