Claire Wang

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EDUCATION

Massachusetts Institute of Technology (MIT) - *May 2027*
Candidate for Bachelors in CS + Neuroscience (6-9) and minor in planning/public policy (11).

Phillips Academy Andover - *2020-2023*
Co-president of CS, Quiz Bowl, Biology, and SciOly Clubs. Also, Makerspace Guide, Peer Listener, Digital Editor of *The Phillipian*. Relevant coursework: Linear Algebra, Formal Language Theory, Algorithms, Data Visualization, Ethics of Technology, The Workshop.

Stanford Online High School - *2019-2020*
Relevant coursework: AP Physics C, AP Stats, AP CS A, Leadership Course Series. Ran Hack & Neuro Club; was Freshman Class VP.

Ad Astra School - *2018-2020*
Secondary school held at SpaceX HQ founded by Elon Musk & Josh Dahn. Coursework: AP Calc BC, Haskell, Robotics.

RESEARCH

Desimone Lab @ MIT McGovern Institute -*2023-Present*
(Tentative) title: _Behavior Analysis of Freely Moving Marmosets_, under direction of Beizhen Zhang, Haoran Xu, & Prof. Desimone (UROP).

Jasanoff Lab @ MIT McGovern Institute / MIT CSAIL - *2023-Present*
Designing complex circuits for better rodent GCaMP calcium fMRI/radio imaging accuracy & efficiency, under direction of Kevin Chung.

Research Science Institute @ Visual Attention Lab - *Summer 2022, 2023*
Paper title: _Correlation Between Spatial and Temporal Massive Memory_ at Harvard Medical School under Prof. Jeremy Wolfe for the RSI program. Also a counselor at RSI in 2023 & while doing Reinforcement Learning + Neuro research under R. Dangovski & M. Tomov (hiatus).

UCLA Lab of Neuromodulation and Neuroimaging - *2018-2022*
Intern @ UCLA LONN Lab in the Semel Institute for Neuroscience, researched human fear and memory using BCI & VR technology.

MIT PRIMES & CSAIL - *2020-2022*
Paper title: _Parallel Computing for Bi-core Decomposition of Bipartite Graphs_ under Prof. Julian Shun & Jessica Shi. Paper won 2nd at MSEF, 1st Global at S.T. Yau, presented at the AMS-PME JMM22 Conference & published at the ACM-SIAM SODA23 Conference. 2nd year: Broad Institute computational biology work on single cell RNA sequencing analysis (ended early due to RSI).

WORK & PROJECTS

Contrary Capital VC: Venture Partner - - - - - - - - - *2023*-Present
Work with Contrary HQ & the MIT Contrary team to recommend investment desisions, help grow early-stage startups, and explore startups.

Hack Club: Intern & Community Team - - - - - - - - - *2018*-Present
Ran & started the AMA program, helped run a >~10k student community, organized Hacker Zephyr, taught technical workshops, working on fundraising, developed ZephyrNet, and many other events & technical systems. hackclub.com

AngelHacks: Director - - - - - - - - - - - - - - - - - - - *2019-Present*
Founded & Directed AngelHacks for all 3 iterations: 1st in LA @ Snapchat HQ, 2nd online w/ >1k attendees, and 3rd as a game jam in Boston. Raised a total of ~$30k in financial donations & worked with >60 judges and mentors. Created Halo, which provided non-medical essential workers w/ KN-95 masks in LA. angelhacks.org

Anomaly Science COO - - - - - - - - - - - - - - - - - - - *2020-Present*
A startup building better open-source technology on the blockchain for developers. Co-founder, helped run operations and hiring; in pre-seed. (hiatus) anomsci.com

SineRider - *2022-2023*
Producer of a web-based game exploring function composition through love & skiing. Public beta launched May 2023, reached 2nd on HackerNews. sinerider.com

DeepAI Intern - *2019-2021*
Worked on AI/ML content & CNN meta-learning testing for Zendo. deepai.org

Nujjet (prev. Tardis) - - - - - - - - - - - - - - - - - - - *2020-2022*
A non-invasive BCI (EEG + tDCS) based technology to build better habits. Won 1st at the Conrad Challenge in 2021 & was offered funding by GATSVI Startups. (hiatus)

AWARDS

- Research Science Institute (2022, 2023)
- Davidson Institute Fellow $25k Scholarship (2023)
- S. T. Yau Global Science 1st & CS Gold (Dec 2021)
- Global Pete Conrad Scholar, Cyber Track (May 2021)
- MSO World Speed Reading Champion (Aug 2020)
- SPARC & WARP Camper (2021, 2023)
- Vex Robotics Worlds VexAI THINK Award (May 2021)
- ACM-SIAM SODA APOCS23 Conf. (Jan 2023)
- Quiz Bowl: MIT QB 1st, Top 20 Nationals (2021, 2022)
- USA Biology Olympiad Semifinalist (2021, 2022)
- USA Memory Championship, 3rd place; assisted in organizing 2019 (Jul 2018, 2019)
- NSPA Digital Journalism Award for *The Phillipian* SOTA (2022)
- STS Top 300 Scholar (Jan 2023)
- JMM AMS-PME Conference (Jan/Mar 2022)
- Disney+ Shop Class Show Contestant (2019) & Lifetime Child Genius TV Series (2016)
- Elliptic Curves Math Research under Nahid Walji, published on DeepAI (2018-19)

Technical Skills: Web development (React, Next, etc.), graphic design (Figma, Adobe Illustrator), C++, Python, Haskell, Java, Machine Learning, data visualization (d3js, three.js), data journalism, scientific research.

Other: Teaching, Debate, Acting (theater/professional film), Writing (scientific, business, creative).

Languages: English (native) & Mandarin (fluent).