John Rho

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Education

Harvard University   **Cambridge, MA**
Statistics+Computer Science, B.A. 3.96 GPA   2021–2025
Coursework: Machine Learning (F22), Intro to Probability (F22), Linear Algebra and Vector Analysis (F21), Applied Linear Algebra and Big Data (S22), Econ Big Data (S22), Intro to CS (F21), Multivariable Calculus (F21)

Experiences

Hearo *Co-founder*   **Austin, TX**
– Launched SaaS startup to protect workers in high-noise industries; developed MVP in Dart/Flutter before CTO hire and onboarded 100+ patients on our app [App Store Link]
– Accepted into Antler VC accelerator; <3% acceptance rate

Massachusetts General Hospital, Harvard Medical School   **Boston, MA**
Research Intern   Nov 2021–present
– Designed CNN/LSTM models to model linguistic variable representations in the brain
– Admitted to selective Harvard Undergraduate Research Showcase for Fall 2022

Association for Young Scientists and Innovators, 501(c)(3) nonprofit   **Dallas, TX**
Co-founder and Director   June 2019–Sep 2021
– **School-Year Mentorship:** Directed research program, mentoring 200 students for CS/engineering projects
– **2020, 2021 Summer Coding Institute:** Served as a leader for a virtual programming camp with 350 students and 50 teaching staff across North America over two summers; $40K raised

Booster Fuels   **Dallas, TX**
Data Analytics Intern   June 2019–Aug 2019
– Applied Root Cause Analysis strategies toward injury prevention; reduced cost by 10 percent
– Created educational material to instruct new service professionals during Series C expansion

Skills

💬 **Languages**: Python, Matlab, Javascript, HTML/CSS, SQL, C, Dart, Stata
📖 **Frameworks/Libraries:** TensorFlow, PyTorch, React JS, React Native, Flutter, Flask, LaTeX
🪄 **Miscellaneous** Spreadsheets, Shooting 3-pointers, Journaling, Blogging, Video Editing

Projects

Harmony Trade Portal   Jan 2022
– Awarded $12,000 prize; Created decentralized application on Harmony protocol to trade goods; ReactJS
ListenIn LucidEar   June 2022
– Created speech-separation app prototype (prev. startup idea) to help hard-of-hearing individuals converse in crowded spaces with 97% efficacy; React Native (Expo), Heroku-deployed Python Flask Backend, AWS S3

Orpheus: AI Music Stem Player   Nov - Dec 2021
– Created web application to split songs into vocals and instrumentals using Spleeter Machine Learning API [Python, Javascript/HTML/CSS]
– Demoed app at dorm party at the end of the semester

Awards+Recognitions

Regeneron ISEF, 2x Finalist, 4x Grand/Special Award Winner   2020–2021
Intl Conf on Biomed Eng and Bioengineering, Youngest-ever accepted, IF4.08   2022
Coca-Cola Scholar; $20K Scholarship to 150 students (100,000 applicants)   2021
Harvard President's Innovation Challenge Ingenuity Award, Top 4/400 venture team; $2500 award   2022
Tiger Global Case Competition; North American Finalist (Top 10/700 team)   2020
Valedictorian; Plano West Senior High School (1/1361)   2021
Nasdaq Feature, For hearing aid research project   2022