BRANDON GUO

UC Berkeley M.E.T. 2024 | EECS + Business Administration Major

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📍 2135 Cedar Street, Berkeley, CA

EXPERIENCE

Human Robot Interaction Researcher
MetroBot Research Group

📅 August 2020 – Ongoing   📍 Berkeley, CA

- Researched human-robot interaction on the MetroBot team, a branch of Robotics @ Berkeley founded with a $10,000 dollar grant to build a maneuverable robot specifically for the purpose of HRI research
- Used React, CSS, ROS 2, and JavaScript to create web applications to help control a prototype of MetroBot
- Used React, CSS, MongoDB, and Amazon MTurk to create a survey page to gather data on the likelihood of humans to hire/fire robots when exposed to different conditions

Student Machine Learning Researcher
ATLAS Institute at CU Boulder

📅 August 2018 – April 2019   📍 Boulder, Colorado

- Conducted artificial intelligence and natural language processing research with two peers and a Ph.D. student at the Interactive Robotics and Novel Technologies lab
- Used HTML, CSS, PHP, and JavaScript to create a web based survey platform delivered through Amazon MTurk to gather thousands of responses
- Used Python and scikit-learn to train machine learning models on the MTurk data set to create algorithms that could test how well the preposition "between" applies to any point in space in reference to two other objects

LEADERSHIP & ACTIVITIES

Science Bowl President
Peak to Peak Charter School

📅 August 2018 – May 2020   📍 Lafayette, CO

- Collaborated with science faculty in grades 8-12 to institute new recruiting practices and increased membership from 10 members to 25
- Taught biweekly lessons on common Science Bowl topics that were not covered in traditional K-12 science curriculum
- Advanced to Top 8 in CO in 2019, the highest position for the school in almost half a decade

International Public Policy Forum Team Captain
Peak to Peak Charter School

📅 August 2018 – April 2019   📍 Boulder, Colorado

- Competed in the IPPF, an annual Brewer Foundation competition that allows high school students to compete against hundreds of other teams by submitting argumentative essays on one public policy resolution
- Recipient of an all-expenses-paid trip to New York in 2019 to engage in oral debates at the Council on Foreign Relations after advancing to the top 8, would later place as top 4 in the world

ACHIEVEMENTS

AIME Qualifier
American Invitational Mathematics Examination

IPPF Semifinalist
Top 4 out of over 200 teams in the International Public Policy Forum

Nationally Ranked Debater
One of two qualifying teams from region to quality for NSDA Nationals

Corden Pharma Science Fair 2nd Place
Category: Math & Computer Science

LANGUAGES

Python ●●●●●

Java ●●●●○

HTML/React ●●●●○

R ●●●●○

EDUCATION

BS, Business Administration
UCB Haas School of Business

📅 August 2020 – Expected May 2024

Part of the M.E.T. Program at UC Berkeley, a highly selective engineering + business dual-degree program.

BS, Electrical Engineering & Computer Science
UCB College of Engineering

📅 August 2020 – Expected May 2024

Peak to Peak Charter School
High School Diploma

📅 August 2016 – May 2020

National AP Scholar, 1570 SAT, and 35 ACT