Ryan Zhang

STUDENT · INTENDED MAJOR (COMPUTER SCIENCE) · ELEANOR ROOSEVELT HIGH SCHOOL

917-929-8106| ryanzhangofficial@gmail.com | Rhyzhang.github.io (Website) | Rhyzhang (GitHub)

About Me

Programming	Python · Git · GitHub
Analytics	Pandas · Matplotlib · Streamlit
Web/Media	HTML/CSS/Javascript · Photography · Lightroom · Office

Experience / Projects

Roosevelt Racers · Eleanor Roosevelt High School (github.com) *New York, NY*
R&D Lead – RESEARCH & DEVELOPMENT TEAM *Sep. 2021 - Now*

- Led the research for a Race Time Calculator with limited school supplies by coming up with creative solutions and improving the previous model by developing a user-friendly app plus refining the existing model.
- Worked with team members to improve the existing physics model as the sole member with both physics and coding experience.
- Presented our new model to a ELRO physics teacher who approved the model was significantly better and projected to potentially change the "F1 in Schools" competition by giving underprivileged school virtual access to a $4000 test track.

ELRO STEM RESEARCH · Eleanor Roosevelt High School (github.com) *New York, NY*
MEMBER - DEVELOPMENT TEAM *Sep. 2021 - Now*

- Developed an app that classifies NYC Shellfish Species for an environmental conservation community project using pytorch and transfer learning.
- Founded the ELRO STEM RESEARCH GitHub organization for future projects and to leave a legacy of research at ELRO to inspire future students interested in STEM.
- Helped plan projects through weekly team meetings with a teacher (PM) for ELRO community projects by using effective communication.

Personal Projects · Rhyzhang (Ryan HY Zhang) (github.com) · ryan.the.lensman (Instagram) *New York, NY*
FUN – HOBBIES *Sep. 2019 - Now*

- Active user on GitHub and contributes to various open-source projects that interests me.
- Completely self-taught, I learned programming and developed many games for fun such as tic-tac-toe and hangman in python as an 8th grader.
- I take photos of my community to capture my emotions and show our life to future generations.

Internships

Quarmega *New York, NY*
MARKET RESEARCH INTERN – NYC DOE CS4ALL PATHFINDERS MENTORSHIP PROGRAM *Apr. 2021 - Jun. 2021*

- Presented analyses to the founder of Quarmega on multiple market competitors and their business practices.
- Researched ways to streamline production and helped build/expand databases for potential product ideas and production.

Rebecca Cleaners *New York, NY*
DELIVERY - HELPER *Jun. 2018 - Sept. 2019*

- Spent the summer working by efficiently delivering laundry and dry-clean for my parent's cleaner.
- I still help my parents from time to time when needed.

Education

Eleanor Roosevelt High School *New York, NY*
CLASS OF 2024, INTENDED MAJOR (COMPUTER SCIENCE & Ph.D. IN MACHINE LEARNING) *Sep. 2020 – Now*

- Cumulative Average - 99%