

Ryan Zhang

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

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About Me

Programming Python · Git · GitHub

Analytics Pandas · Matplotlib

Web/Media Streamlit · HTML/CSS/Javascript · Photography · Lightroom · Office

Experience / Projects

Roosevelt Racers · [Roosevelt Racers R&D Team \(github.com\)](#)

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 · [irrelevantRyan \(Ryan Zhang\) \(github.com\)](#) · [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
- I take photos of my community to capture my emotions and show our life to future generations
- 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

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

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%