Ryan Zhang

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

 917-929-8106 |  ryanzhangofficial@gmail.com | [](http://www.yourwebsiten.ma/) [Rhyzhang.github.io (Website)](https://Rhyzhang.github.io/) | [](https://github.com/YourGithub) [Rhyzhang (GitHub)](https://github.com/Rhyzhang)

# About Me

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| **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)](https://github.com/ELROSTEM)*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)](https://github.com/ELROSTEM)*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)](https://github.com/Rhyzhang) **·** [ryan.the.lensman (Instagram)](https://www.instagram.com/ryan.the.lensman/)*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%