



RYAN RUDES

Student

@ryanrudes@gmail.com

516-580-3827

New York

Ryan-Rudes.github.io

BIO

I'm a 16-year-old high school sophomore who does CS projects and research, and I'm currently studying Reinforcement Learning in particular. My CS hobbies include programming projects, app development, and software development, primarily geared towards Deep Learning.

LANGUAGES

- Python
- Swift & SwiftUI
- Java
- Golang
- HTML & CSS
- Markdown
- LaTeX



EDUCATION



High School | [Half Hollow Hills High School East](#)

2019 - 2023

Dix Hills, New York

97.99 GPA

High School Research Program

Each year, a cohort of approximately 13 eighth grade students are admitted into this four-year course based upon an interview with the department director and an application. These students are selected amongst the top in their class; those chosen are highly passionate and dedicated towards a topic of interest. We attend every other day to further our work, prepare for research symposiums, and search for contests in our field of interest, as well as mentorships, internships, and summer research programs.



PROJECTS



[GitHub](#)



[Towards Data Science](#)



[Medium](#)



[PyPi](#)



[iOS App Store](#)

READING



- [RL: An Introduction \(second edition\)](#)

EXTRACURRICULAR

- American Computer Science League
- Math Olympiads
- Chess
- Programming Club
- Math Fair

IOS APP DEVELOPMENT



My application, Programming Notebook PRO, has pulled in \$1040 in sales since its release in late-June (as of March 1, 2021). It has ranked as high as #3 on the Apple App Store under the category "Paid Developer Tools". The latest major update I've published has recently quadrupled its trend in revenue, so more profit is expected.



RESEARCH

- [Papers I've Written](#)
- [Papers I've Recently Read](#)
- [Courses I've Taken](#)



- I was accepted into the [iResearch Institute Summer Program](#), a rigorous summer research program that has produced numerous finalists at competitions such as the Regeneron Science Talent Search. In addition, my research received special [recognition](#) from the program director, Dr. McCallah, alongside four other students.

LATEST GITHUB PROJECTS



Ryan-Rudes	Last commit: Tue, 16 Mar 2021
LaTeX	Last commit: Mon, 22 Feb 2021
★ Programming-Notebook-LITE	Last commit: Mon, 01 Mar 2021
genetic-algorithm	Last commit: Mon, 01 Mar 2021
tetris	Last commit: Tue, 02 Mar 2021
★ slitherio-actor-critic	Last commit: Wed, 03 Mar 2021
★ slitherio	Last commit: Sun, 14 Feb 2021
★ colabgymrender	Last commit: Wed, 03 Mar 2021
★ dqn	Last commit: Tue, 09 Feb 2021
amc-problems	Last commit: Wed, 27 Jan 2021
rl-textbook-exercises	Last commit: Mon, 28 Dec 2020
alpha-zero	Last commit: Mon, 14 Dec 2020
Ryan-Rudes.github.io	Last commit: Mon, 01 Mar 2021
AlphaZero-gym	Last commit: Sat, 12 Dec 2020
★ presidential-debate-audio-clipping	Last commit: Sun, 06 Dec 2020
project-euler	Last commit: Fri, 11 Dec 2020
magic-square	Last commit: Fri, 06 Nov 2020
programming-language-logos	Last commit: Fri, 06 Nov 2020
developer-logos	Last commit: Fri, 06 Nov 2020
game-midis	Last commit: Fri, 06 Nov 2020
emoji-dataset	Last commit: Fri, 06 Nov 2020
rc2020	Last commit: Sat, 28 Nov 2020
chess-gym	Last commit: Tue, 02 Mar 2021
★ minecraft	Last commit: Fri, 05 Feb 2021
synchronous-gym	Last commit: Tue, 06 Oct 2020
ap-cs-b	Last commit: Fri, 12 Feb 2021
★ exploration_agent	Last commit: Sun, 04 Oct 2020
★ minimal_goexplore	Last commit: Fri, 19 Mar 2021
★ eye_mouse_movement	Last commit: Sun, 04 Oct 2020
thingiverse_datascraper	Last commit: Sun, 13 Sep 2020
raNDomMcASe	Last commit: Sun, 13 Sep 2020
math-stack-exchange-scraper	Last commit: Sat, 22 Aug 2020
★ javapy_bitcoin_miner	Last commit: Sun, 13 Sep 2020
word_seg	Last commit: Sat, 22 Aug 2020
★ simclr_storage_queue	Last commit: Wed, 19 Aug 2020
★ wikimedia-commons-dataset	Last commit: Sat, 03 Oct 2020

★ = marks my more substantial projects

= click any GitHub logo to visit the project's corresponding code repository

LATEST PYPI PACKAGES



colabgymrender

Version: 1.0.8

chess-gym

Version: 0.0.4