

## Richard Shin

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### Education

**Columbia University**  
Bachelor of Arts, Computer Science

New York, NY  
Expected Fall 2022

### Relevant Experience

Data Support Intern, **Foursquare**

New York, NY  
May 2019 - September 2019

- Working under the Engineering department, primary duties included data cleansing data used in consumer facing applications and internal analyses.
- Working with the Attribution team, conducted ad hoc analyses for partner companies to measure potential foot traffic using Foursquare's Attribution Machine Learning model.
- QA tested two consumer facing applications: Foursquare City Guide and Swarm, most notably in preparation for iOS 13.

Radio Communications Specialist, **United States Army**

Fort Gordon, GA  
September 2013 - September 2016

- Achieved the rank of Specialist (E-4) before being discharged from active duty.
- Managed a team of three junior communication operators, providing guidance and mentorship by evaluating monthly performance.
- Operated and maintained military-grade radios transmitting classified information, in support of Operation Inherent Resolve.

### Personal Projects

#### COVID-19 in NYC (Web App)

Technology Stack: *JavaScript* | Sole Developer

Link: <https://www.covidinnyc.com> | GitHub: <https://github.com/ricky-shin/covid-in-nyc>

- Currently live, this website automatically fetches, unpacks, and charts the latest data published by the NYC DOH (Department of Health). Instead of charting graphs that exist already, the goal was to connect DOH data with other datasets and models.
- Presently charting the *Relationship Between the NYC Median Household Income and COVID-19 Case Rates*, an interactive model *Calculating the Actual (Estimated) Cases of COVID-19 in NYC*, and other charts of interest.

#### Baruch Underground Listing of Professor Ability: Professor Review Site (Web App)

Technology Stack: *Bootstrap, PHP, MySQL* | Sole Developer

GitHub: <https://github.com/ricky-shin/bulpa>

- A web application that allows users to anonymously submit reviews for Baruch College professors and courses. These reviews are then pushed and stored on a MySQL database.
- Reviews are displayed by querying the MySQL database, showing relevant content to users.
- Over 9,500 pages viewed, with 940+ users submitting 200+ anonymous reviews within 5 months.

#### Escape Area 51: Raid Survival (iOS App)

Technology Stack: *Swift* | Sole Developer

Link: <https://apps.apple.com/us/app/escape-area-51-raid-survival/id1475180053>

- Features randomly generated barriers that players must pass through to earn points. The game is over upon colliding with a barrier and the total score earned by the player is uploaded to a leaderboard. Players can retrieve this leaderboard to see where they rank amongst other players.
- Reached hundreds of downloads in 28 countries, with an average rating of 4.9 out of 5 on the iOS App Store.