

Richard Shin

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Education

Columbia University

Bachelor of Arts, Computer Science

New York, NY

Expected Spring 2022

- Relevant Coursework: Intro. to Java, Data Structures in Java, Discrete Mathematics
- TA for Fall 2020 section of *Computing in Context* (COMS W1002), an introductory CS course taught in Python intended for nonmajors.

Relevant Experience

Data Support Intern, Foursquare

New York, NY

May 2019 - September 2019

- Working under the Engineering department, primary duties included 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 internal tools.
- QA tested two consumer facing applications: *Foursquare City Guide* and *Swarm*, in preparation for iOS 13.

Radio Communications Team Lead, United States Army

Fort Gordon, GA

September 2013 - September 2016

- Supervised a team of three junior communication operators in an *Expeditionary Signal Battalion*, providing guidance and mentorship by evaluating monthly performance in a highly intense operational environment.
- Operated and maintained military-grade radios transmitting classified information, in support of Operation Inherent Resolve.

Personal Projects

The Food Pantry at Columbia (e-Commerce Web App)

Technology Stack: AWS *LightSail*, AWS *SES*, *WordPress*, *WooCommerce*, *PHP*

Link: <https://thefoodpantry.us>

- Lead the development and implementation of an e-commerce platform to overhaul the logistical process at a non-profit pantry serving ~600 university students per month, leading to a 25% increase in orders and 50% decrease in staff hours spent fulfilling orders.
- Wrote custom WordPress plugins to create a new point-based wallet system that hooks onto the *WooCommerce* payment gateway and to enforce pantry specific rules (such as the amount of milk allowed per household size).

Baruch College Professor Review Website (Web App)

Technology Stack: *PHP*, *MySQL*, *CSS*

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

- A web application that allows users to anonymously submit reviews for Baruch College professors and courses.
- Over 9,500 pages viewed, with 940+ students submitting 200+ anonymous reviews in 5 months.

Escape Area 51: Raid Survival (iOS App)

Technology Stack: *Swift*

Link: <https://www.rickyshin.com/projects/escape-area-51>

- A 2-D side scrolling game where the player controls a UFO and attempts to fly between columns of fences without hitting them.
- Was published on the iOS App store and reached hundreds of downloads in 28 countries, with an average rating of 4.9 out of 5.