

# PURAB SHAH

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

## PROJECTS

### Kantrello

[GitHub](#) | [Live](#)

#### *Trello inspired web application built using React/Redux, JavaScript and Rails*

- Implemented Dragging & Dropping lists & cards using the react-beautiful-dnd library
- Optimized updating of positional data using server-side logic to reduce the number of AJAX calls
- Created 10+ dialog box components to manipulate list & cards and their enclosed data

### Set Shooter

[GitHub](#) | [Live](#)

#### *JavaScript basketball shooting game built using HTML5 Canvas*

- Implemented projectile motion physics when shooting & bouncing basketball off obstacles
- Allowed player movement and adjustment of shot angle & power

### NBA Schedule & Fatigue

[GitHub](#)

#### *Data analysis using Python & Jupyter Notebook*

- Created a Python web scraper to retrieve NBA season schedule data from basketball-reference.com
- Evaluated the success of the NBA's attempt to reduce player fatigue by measuring change in key indicators of schedule stress and creating a new statistic to identify high fatigue games

## SKILLS

Ruby on Rails | JavaScript | React | Redux | Python | Django | Pandas | PostgreSQL | HTML/CSS

## EDUCATION

### App Academy

September 2018 – December 2018

Intensive, 80+ hours a week full-stack web development course covering JavaScript, React & Rails

### Dataquest.io (Online)

January 2018 – April 2018

#### **Concentrations: Data Analyst in Python, Data Scientist in Python**

Relevant Courses: Data Structures & Algorithms, Data Analysis with Pandas, Data Visualization, SQL and Databases, APIs and Web Scraping, Machine Learning in Python, Spark & MapReduce

### Rutgers, The State University of New Jersey, School of Engineering (SoE)

Piscataway, NJ

#### **Major: Electrical and Computer Engineering**

132/123 Credits Completed

Relevant Courses: Intro Programming, Algorithms, Probability, Discrete Mathematics, Linear Algebra

## WORK EXPERIENCE

### App Academy

New York, NY

#### **Software Engineering Associate**

February 2019 – Present

- Enhanced 100+ JavaScript and Full Stack projects by debugging, performing code review, and answering questions
- Mentored dozens of software developers in JavaScript, React/Redux and Rails
- Administered 10+ weekly mock technical interviews to students covering algorithms, data structures and SQL

### Venn Health Partners

South Plainfield, NJ

#### **Operations Manager**

October 2016 – September 2018

- Took initiative to adopt new HR system, presenting several options to CEO, resulting in 3 month trial
- Migrated employee payroll & benefits infrastructure from outdated excel spreadsheets to quickbooks & revamped reporting system, reducing errors and time spent by employees & CEO