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 | Pandas | SciPy | 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

Rutgers, The State University of New Jersey, School of Engineering (SoE)   **Piscataway, NJ**
Major: Electrical and Computer Engineering   *132 Credits Completed*
Relevant Courses: Intro Programming, Algorithms, Probability, Discrete Mathematics, Linear Algebra

WORK EXPERIENCE

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- Migrated employee payroll & benefits infrastructure from outdated excel spreadsheets to quickbooks & revamped reporting system, reducing errors and time spent by employees & CEO
- Communicated & coordinated w/ third-party vendors monthly to settle outstanding debts & credits

Mathnasium of North Edison   **Edison, NJ**
Instructor   *March 2014 – Present*
- Instilled mathematical intuition and analytical thinking in K-12 students, improving performance by 1 letter grade
- Delivered one-on-one SAT math instruction to students, increasing scores by 110 points on average