HARMONY RICHMAN

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SUMMARY

Passionate and data-driven full-stack engineer, focused on creative problem solving at the intersection of technology and social impact. Dedicated to building scalable and innovative tools to create sustainable solutions that advance people's lives.
Technologies: JavaScript/ES6, Node.js, Express, React, Redux, PostgreSQL, Firebase, Salesforce, HTML/CSS, Git, Github, OAuth

PROJECTS

muralARts | Mobile Application using Augmented Reality

https://github.com/muralARts

- Utilized Firebase to design the database schema for pre-determined locations and render artworks using Google APIs and Cloud Storage .
- Implemented Redux to populate state based on user selections.

Emplower | Letter Generator Web Application

https://emplower.herokuapp.com

- Developed full-stack web applications that processed, analyzed, and rendered data visually based off user input.
- Created a PDF version of the data and stored it in the user's account.

Grace Shopper | e-Commerce Web Application

https://codecodepuffs-graceshopper.herokuapp.com

- Utilized React's state management and unidirectional data flow architecture to efficiently render queried third-party API data as modular components.
- Leveraged Redux to create a reusable stateful functional component to manage dynamic state and component re-rendering.
- Employed Google's OAuth 2.0 authentication service in the application's login flow to reduce security risks associated with storing hashed user data.

EXPERIENCE

Children of Promise | 2018 - 2019

Development Associate

- Acted as Salesforce database administrator for 20,000+ volunteers and donors.
- Executed the volunteer-to-donor strategy in increasing individual donations and identifying additional funding opportunities.

Getting Out & Staying Out | 2016 - 2018

Employment Development Manager

- Directed a $200,000 budget for paid internships and employment programs.
- Built 60+ employer partnerships in industries including healthcare, tech, education, real estate.
- Assisted over 200 young men obtain meaningful employment.

EDUCATION

Grace Hopper | 2019

A rigorous 17-week immersive software engineering program focused on full-stack Javascript development with an emphasis on pair programing in an agile development environment.

Barnard College of Columbia University | 2012 - 2016

Bachelor of Arts.