

# 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 enhance 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 the use of Redux to populate state based on user selections.

### Employer | Letter Generator Web Application

<https://employer.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

- Managed organization's Salesforce database of 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 programming in an agile development environment.

### Barnard College of Columbia University | 2012 - 2016

Bachelor of Arts.