**Jessica Conway**
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## TECHNICAL SKILLS

Ruby, Rails, Java, React, Redux, JavaScript, HTML, CSS, SQL, R, MATLAB, Latex

## PROJECTS

**BeachBnb** (Rails, React)                                     https://bnb-aa.herokuapp.com/
*A Single Page Rental booking cite inspired by Airbnb*

- Managed listing and reservation CRUD through custom transactional database operations using Active Record and PostgreSQL, allowing users to make reservations, register listings with photos, and write reviews.
- Adhered to React and ES6 best practices to generate a true single page React web app experience and utilized modular React components to ensure DRY code and readability.
- Implemented back and front end user authentication by combining Rails conventions, Active Record, and customized React-Router higher order components for best user experience.
- Built custom search using Rails and Redux, allowing users to filter listings by data from multiple tables.
- Integrated the React Dates and Google Maps APIs to select date ranges and view listing locations, improving user experience.
- Connected the back end to AWS S3 for photo storage and organization, maintaining content security with AWS IAM, increasing scalability.

**City Comparator** (JavaScript, D3)                    https://jconway12.github.io/City-Comparator/
*Data visualization of quality of life data from the Teleport API*

- Created a dynamic visualization of API data using only pure JavaScript and D3 to manipulate the DOM.
- Developed a data filtering system which reduces AJAX requests to the API, increasing efficiency and reducing filtering speed.
- Leveraged Webpack and Babel to ensure a reliable and uniform user experience.

**International Trade Forecast** (R)                    https://github.com/jconway12/R-Forecasting
*Comprehensive forecast on 5 variables in the US international sector*

- Deployed ARIMA, VAR, and exponential smoothing models to forecast the sector over two years.
- Incorporated macroeconomic theory to construct a thorough analysis of the results for each of the 5 sector variables.

## EXPERIENCE

**UR ETF Fund,** University of Richmond                              August 2018 - May 2019
*Student Manager*

- Conducted top down, global economic analysis in order to construct a portfolio with returns above our benchmark.
- Constructed risk models to analyze performance and diversification, leading to improved performance for future funds.

**Drumlin Field Venture, LLC,** Boston, MA                              May 2018 - July 2018
*Intern*

- Completed a comprehensive analysis of the craft distillery market in the Hudson Valley.
- Prepared a detailed report on social media, visitor experience, and vendor opportunity, leading to improved customer experience and online presence.

## EDUCATION

**App Academy**, New York, NY                                              Fall 2019
Rigorous 1000-hour software development course with <3% acceptance rate

**University of Richmond**, Richmond, VA                                      May 2019
Bachelor of Science, Mathematical Economics *Magna Cum Laude*

- **Cumulative GPA:** 3.69
- **Honors:** Omicron Delta Kappa, Omicron Delta Epsilon, Pi Mu Epsilon, Phi Eta Sigma, Dean's List
- **Relevant Courses:** CSCE 221: Data Structures, Math 320: Real Analysis, Math: 245: Linear Algebra