# Will Bannister

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## SKILLS
JavaScript, Python, React.js / Redux, Ruby on Rails, Node.js, Express, SQL, PostgreSQL, MongoDB, HTML, CSS, S3, Git

## PROJECTS

**Clairvoyant**                                                                                            Live Site | Github
*A single-page Medium clone built using Javascript, React/Redux, Ruby on Rails, HTML, CSS, and AWS S3*
- Explored React-Redux container and selector patterns to architect scalable, unidirectional front-end state management in a single-page reactive web application
- Developed and implemented highly abstract and reusable React components with customizable props and default behavior and styling, resulting in streamlined development processes and enhanced UI consistency.
- Leveraged the React createPortal API to create modals and refactored them to enable one-line addition of modal buttons in JSX code and one-line closure from anywhere in the application using JavaScript.
- Enabled secure accounts by implementing custom full-stack user authentication with a combination of Rails conventions, Active Record, and custom higher-order React-Router components
- Optimized database usage to eliminate redundant data and N+1 queries by leveraging SQL and Active Record best practices
- Connected AWS S3 to Rails backend, enabling scalable media storage while preserving content security with AWS IAM

**Hover Duel**                                                                                            Live Site | Github
*Hover Duel is a game similar to Mario Kart Battle Mode built with Javascript and Canvas HTML*
- Created a JavaScript game with driving physics, multiple forms of collision detection and response, 3D multiplayer gameplay, an interactive map, and evolving game rounds
- Designed a particle class to facilitate the creation of moving game objects, collision detection and response, and 3D map layer switching
- Leveraged inheritance to increase code reusability by utilizing parent class data and methods in child classes and vice versa
- Implemented a flexible game parameter system by storing parameters as variables in a separate file, facilitating easy game design adjustments such as adding new rounds, modifying map colors, tweaking game physics, and adjusting player health with minimal code modification.

**Quokka**                                                                                                Live Site | Github
*A social media site for sharing postcards with friends. MongoDB, Express, React/Redux, Node.js, AWS S3, and Google Maps API.*
- Led the development of backend models, routes, and validations to meet the evolving needs of the team. Optimized performance and facilitated easy access and update/delete functionality by nesting MongoDB objects under keys.
- Built frontend React / Redux store, actions, and reducers
- Combined react-quill and interweave libraries to enable safe and secure rich text user input editing and design
- Collaborated with a team of 4 engineers, utilizing efficient git workflow in order to minimize potential merge conflicts

## EXPERIENCE

**Hedge Fund Associate, Distressed Debt**
*York Capital Management,* August 2019 - August 2021
- Constructed and maintained financial models, analyzed legal documents, and established trackers to assess performance, liquidity, risk, and potential catalysts for investments
- Built relationships with CEO/CFOs during the diligence process and managed sourcing funnel for Technology, Telecom, Retail, and Distributors industries
- Sole analyst responsible for ~$100m of investments, successfully pitched multiple >30% IRR trades and no losing trades

**Investment Banking Analyst, Restructuring & Special Situations**
*PJT Partners*, July 2017 - June 2019,  Summer 2016
*Member of a 55-person group that advises management teams, boards of directors, and creditor constituencies of financially*
*distressed companies through Chapter 11 reorganizations, out-of-court restructurings, and distressed M&A transactions*
- Constructed and evaluated business plans and operating and financial models to analyze valuation, short-term liquidity, and debt capacity under multiple operating, transaction, and capital structure scenarios
- Participate in all aspects of transaction execution, working directly with executive management teams, turnaround consultants, creditor constituencies, potential acquirers, and legal counsel

## EDUCATION

**App Academy -** Immersive software development course focused on full stack web development  (Winter 2023)
**University of Pennsylvania -** BS, Summa Cum Laude - Concentrations in Statistics & Finance, Minor in Math (2013-2017)
**Colquitt County High School -** Valedictorian (1 out of 539), Senior Class President (2010-2013)