BRYCE MORGAN

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PROJECTS

Eventlight   *(MongoDB, Express.js, React.js, Redux, Node.js)*   live | github

A MERN stack event management site designed to emulate the functionality and look of Eventbrite.
- Dynamically generated MongoDB query filters to allow for flexible event search parameters.
- Constructed React form components for CRUD actions with events, promoting a clear and intuitive user experience.
- Leveraged Redux store cache to eliminate unnecessary AJAX requests and reduce response time.

GameHub   *(GraphQL, Apollo, MongoDB, Express.js, React.js, Node.js)*   live | github

A social videogame database allowing users to search for games, browse top and trending titles, view trailers, and leave reviews.
- Generated custom SVGs for game titles, animating the rating meter and providing instant feedback based on new reviews.
- Utilized third-party APIs to automatically search for and display YouTube game trailers, providing relevant content to users and reducing work required of app admins during game creation.

Crystal Escape   *(JavaScript, HTML5, CSS3, Webpack)*   live | github

A side-scrolling space-shooter implemented with Vanilla JavaScript and HTML5 canvas elements.
- Created game components with object-oriented programming principles utilizing JavaScript classes, allowing for DRY code.
- Integrated sprite sheets into HTML5 canvas game-state rendering as well as CSS3 animated app decorations in order to increase space efficiency and draw the user in to the game world.

Cha-aux   *(Ruby on Rails, React.js, Redux, PostgreSQL, AWS S3)*   live | github

A single-page app emulating the design and functionality of Discord, implemented with a RESTful API built with Ruby on Rails.
- Conditionally rendered navigation links to servers based on user membership, allowing for a customized user experience.
- Connected AWS S3 cloud storage of images, allowing users to customize their experience and providing for app scalability.

SKILLS   JavaScript, React.js, Redux, GraphQL, Ruby, Ruby on Rails, jQuery, MongoDB, Express.js, PostgreSQL, SQL, CSS3, HTML5

EXPERIENCE

Starbucks Coffee Company

Shift Supervisor   Oct 2015 - Feb 2019
- Lead team of 6 baristas during evening operations, ensuring customer satisfaction, team productivity and morale.
- Increased sales of premium coffee by 5 packages per day, increasing store revenue by over a thousand dollars per week.

Barista   Aug 2011 - Oct 2015
- Sought out Coffee Master Certification, increasing personal product knowledge as well as promoting awareness and interest for premium products amongst coworkers and customers.
- Awarded Partner of the Quarter five times, voted on by coworkers and store managers based on product knowledge, customer connection, enthusiasm, and work ethic.

John Hancock Financial Services

Actuarial Intern - Model Risk Management   May 2013 - Aug 2013
- Tested accuracy of model documentation by reproducing calculations and independently verified actuarial assumptions, ensuring accuracy of models and documentation clarity.
- Assisted in vetting of actuarial models provided by pricing and valuation areas from various JohnHancock business units.

Actuarial Intern - Life NAIC Valuation   May 2012 - Aug 2012
- Harmonized MLI Non-Traditional quarter-end trending report with JHF Traditional report and automated several aspects of report generation through macro creation, reducing report generation time by several hours.
- Created a macro in VBA for Excel for determining the over-attained-age 100 bulk adjustment, providing trending and projected values for the department's multi-million dollar reserve calculations.

EDUCATION

Full Stack Web Development - *App Academy (Feb 2019 - July 2019)*
Software Engineering - *Arizona State University (Aug 2018 - Dec 2018)*
Actuarial Science, Applied Statistics - *Purdue University (Aug 2010 - Dec 2014)*