BRYCE MORGAN

(734) 658-0442   bamorgan13@gmail.com   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

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

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.

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

- Coordinated the synchronization of 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)*

Relevant Courses: Object-Oriented Programming and Data Structures, Introduction to Programming

Actuarial Science, Applied Statistics - *Purdue University (Aug 2010 - Dec 2014)*

Relevant Courses: Programming with Multimedia Objects, Visual Programming, Linear Algebra, Discrete Mathematics, Actuarial Models, Honors Probability, Information Technology Architecture