BRYCE MORGAN

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SKILLS   JavaScript, React, Redux, Express, Python, Flask, GraphQL, Ruby, Ruby on Rails, MongoDB, PostgreSQL, CSS3, HTML5

PROJECTS

Eventlight   *(React, Redux, Express, MongoDB)*   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   *(React, GraphQL, Apollo, Express, MongoDB)*   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 YouTube game trailers, providing relevant content and reducing admin workload.

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 rendering and CSS3 animations in order to increase space efficiency and engage the user.

EXPERIENCE

App Academy

Module Instructor   Nov 2020 - Jan 2021
- Performed daily lecture of Python and Flask content to cohorts of 40+ students, facilitating student discussion of major concepts.
- Managed team of four instructors, overseeing the tracking of long-term student engagement and the daily response to student questions.
- Coordinated curriculum improvement through content restructuring and streamlining of learning objectives with the Curriculum Team.
- Received an overall 4.9/5 instructor rating averaging approximately 2000 student feedback scores over 1.5 years at the company.

Lead Instructional Assistant   April 2020 - Nov 2020
- Designed and created review materials distributed to hundreds of students that covered each week's web-development material.
- Lead end-of-day lectures to recap daily learning objectives and synthesize understanding of concepts as they related to projects.

Software Development Technical Instructor   Jul 2019 - April 2020
- Facilitated instruction of material covering full stack web development to cohorts of 40+ students.
- Ensured understanding of projects and web development concepts through regular check-ins with students.

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
- Achieved Coffee Master Certification to increase knowledge and promote interest in premium products among coworkers and customers.
- Awarded Partner of the Quarter five times, voted on by coworkers and store managers for product knowledge 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 verifying actuarial assumptions, ensuring 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 multiple trending reports and automated aspects of generation, reducing workload by several hours.
- Created macros in VBA for Excel for determining reserve bulk adjustments, providing trending for the multi-million dollar 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