BRYCE MORGAN

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

SKILLS

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

PROJECTS

Blizzard API Sandbox   *(React, Redux, Flask, Docker)*   live | github

An interface with the Blizzard API for users to see details about characters in the game World of Warcraft.

- Securely interact with the Blizzard API through a Flask backend server, obscuring developer credentials.
- Utilize Docker containerization, easing connectivity with React application and deployment to Heroku.
- Cache third-party data in Redux store to reduce requests, increasing speed of application.

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.

EXPERIENCE

App Academy

Curriculum Developer II   Sep 2021 - Jun 2022

- Designed, wrote, tested, and published projects, readings, and assessments taken by hundreds of students covering web development content such as introductory programming, data structures and algorithms, databases, backend servers, and frontend frameworks.
- Collaborated with multiple instructional teams and coordinated curriculum improvement based off of instructor and student feedback in order to more effectively align projects, readings, and assessments with student learning objectives.
- Constructed learning objectives to guide student development throughout the course and provide touch points for tethering daily learning material back to overarching goals for future web developers.

Module Instructor   Nov 2020 - Jan 2021

- Performed daily lectures 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.

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