

# BRYCE MORGAN

(734) 658-0442

[bamorgan13@gmail.com](mailto: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