

Andrew Mason

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SOFTWARE ENGINEER WITH A BACKGROUND IN MANAGEMENT CONSULTING

Looking to leverage technical skills from recently completed UC Berkeley coding bootcamp to provide web applications that support business initiatives. Previous experiences successfully working with large, cross-functional teams to create dynamic and lasting business solutions. Recognized as a results-driven, resourceful, collaborative, and persistent problem-solver. Excellent communicator with effective relationship-building skills. Strong technical acumen, along with a tenacity to learn, grow, achieve and add value to any organization or community. Extremely passionate about creating elegantly designed programs that create seamless user experiences.

TECHNICAL SKILLS

Languages: JavaScript (ES6), HTML5, CSS

Frontend Technologies: Bootstrap, jQuery, Handlebars.js, JWT JavaScript Web Token, React, Webpack, Progressive Web Apps (PWA), Jest Unit Testing

Backend Technologies: RESTful API Design, IndexedDB, AJAX, Node.js, Express.js, Heroku, Express sessions, Bcrypt, Relational Databases, MySQL, Sequelize ORM, Non-Relational Databases, MongoDB, Mongoose ODM, Object Oriented Programming (OOP), Apollo Client, GraphQL

Other: Problem Solving, Command Line Interface, Insomnia, Postman, Git, GitHub, Declarative Programming, Test Driven Development (TDD), MERN Stack

PROJECTS

Hungry Sharks | <https://bit.ly/hungrysharksrepo> | <https://bit.ly/hungrysharksgame>

Hungry sharks is a fun, online 2-player card game made with React and Socket.io. You can login/sign-up to play games with your friends and keep a track of your game statistics

Core Technologies:

- React.js - efficiently built all UI components and used react hooks to track and manage state and effects
- Tailwind CSS - utilized framework to create a sleek and responsive design
- MongoDB - stored and retrieved user and game data
- Mongoose ODM - enforced specific schema at the application layer
- Express.js - designed RESTful APIs
- Socket.io - used on top of the Websocket protocol to create bidirectional communication between the client and server, allowing users to chat with each other inside the application.
- Bcrypt - utilized for user password hashing

Bookend | <https://bit.ly/repo-bookend> | <https://bit.ly/deployed-bookend>

A full stack application following the model-view-controller paradigm that allows readers to create an account and join a community of others in finding new books, viewing public book clubs, or creating private book clubs.

Core Technologies:

- Javascript - defined logic and frontend application behaviors
- Tailwind CSS - utilized framework to create a sleek and responsive design
- MySQL - defined database schema, stored and retrieved application data
- Sequelize - utilized for promise-based object relational mapping for improved database synchronization
- Express.js - designed RESTful APIs
- Handlebars - designed and implemented templates and input objects to generate HTML content per the MVC paradigm

Tech Blog App | <https://bit.ly/repo-techblog> | <https://bit.ly/deployed-techblog>

A full stack application using the model-view-controller paradigm. This application is deployed on Heroku.

Core Technologies:

- Javascript - defined login and frontend application behaviors
- CSS - applied custom, responsive styling
- Handlebars - designed and implemented templates and input objects to generate HTML content per the MVC paradigm
- MySQL - defined database schema, stored and retrieved application data
- Sequelize - utilized for promise-based object relational mapping for improved database synchronization
- Express.js - designed RESTful APIs

EXPERIENCE

Full Stack Web Development Tutor

Jul 2022 - Jan Present

2U, Inc.

2U works with top-tier partners to offer high-quality online education and services that span free courses to degree programs. Our mission-driven, student-focused culture drives us to help partners thrive in the digital age.

- Provide academic support for multiple software engineering students in 2U, inc Full Stack Coding Bootcamps
- Successfully guide and teach software engineering students in various technologies, methods and techniques
- Prepare and stay up to date with curriculum expectations and technology trends according to the learning objectives of the program
- Support students' mastery of learning objectives in an effective and engaging manner
- Articulate clear verbal and written responses according to students' needs.

Vice President of Operations

May 2020 - Jan 2022

Honest Cannabis, Las Vegas, NV

- Managed all aspects of new business developments from inception to opening while exceeding goals
- Collaborated with clients and partners to design and implement custom-tailored business solutions that made an immediate impact in efficiency and profitability
- Designed and implemented software systems using MySQL, Metabase & AWS for daily tracking of key performance indicators, increasing efficiency and expanding visibility for stakeholders
- Provided actionable, data-driven insights for all business units & departments to inform key business decisions
- Used project management software to design project/critical path management systems for new developments, creating highly organized team processes

Director of Financial Planning and Analysis

Aug 2018 - Mar 2020

Blau & Associates, Las Vegas, NV

- Drafted new business proposals that led to increased revenue
- Produced financial pro forma documents for client businesses to increase performance visibility for stakeholders
- Tracked budgets for construction / development projects while achieving results on schedule and under-budget
- Forecasted internal revenue, providing critical insights for ownership group
- Collaborated in numerous restaurants, hotels, and other development projects, including the \$750m Parq Vancouver development

Senior Analyst

Aug 2016 - Aug 2018

Blau & Associates, Las Vegas, NV

- Provided support through detailed, data-driven analytics to the consulting team that led to informed business decisions
- Performed P/L & budget reviews that provided in-depth analysis
- Oversaw project management with a high-level of organization and efficiency
- Coordinated team logistics

EDUCATION

Certificate - Full-Stack Web Development

Mar 2022 - Jun 2022

University of California, Berkeley, Berkeley, CA

Bachelor of Science (B.S.) - Hospitality & Tourism Management

Jan 2014 - Aug 2016

San Francisco State University, San Francisco, CA