Andrew Mason

Truckee, CA, 96161 | 603-748-2601 | atmason90@gmail.com

https://bit.ly/andrewmason-linkedin | https://bit.ly/andrewmason-github | https://bit.ly/portfolio-atm

SOFTWARE ENGINEER WITH A BACKGROUND IN MANAGEMENT CONSULTING

Excellent communicator with effective relationship-building skills. 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. 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, Typescript, Python, HTML, CSS

Frontend Technologies: React, Bootstrap, jQuery, Handlebars.js, JWT, Webpack, Jest

Backend Technologies: RESTful API Design, IndexedDB, AJAX, Node.js, Express.js, Heroku, Express sessions, Bcrypt, MySql, Sequelize ORM, MongoDB, Mongoose ODM, Apollo Client, GraphQL

Other: Problem Solving, Command Line Interface, Insomnia, Postman, Git, GitHub, Declarative Programming, TDD, OOP, MERN

PROJECTS

Task Manager | https://bit.ly/taskmanagerrepo | https://bit.ly/taskmanagerdemo

Task manager application written in Typescript with a React.js frontend and a complete Node API on the backend.

Core Technologies:

- Used Typescript with React.js and Material UI to build all frontend UI components
- Built a Node API backend that links the Typescript application to a MySql database with TypeORM and used TanStack React Query to handle data fetching logic

Hungry Sharks | https://bit.ly/hungrysharksrepo | https://bit.ly/playhungrysharks

Hungry sharks is an online card game that leverages web sockets to enable two players to compete against one another. Players' sessions are saved in the DB so they can replay against friends and keep track of game statistics

Core Technologies:

- Built all front-end UI components with React.js, used various react hooks to track and manage state/effects, and Tailwind CSS to create a sleek and responsive app design
- Wrote RESTful API routes to view, store and retrieve user and game data from a MongoDB database. Used Mongoose ODM to enforce specific schema at the application layer
- Implemented Socket.io on top of the Websocket protocol to create bidirectional communication between the client and server, allowing users to communicate with each other inside the application.

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:

- Wrote all application logic in JavaScript, utilized the Handlebars templating engine for creating dynamic HTML layouts and views, and created responsive styling with Tailwind CSS
- Wrote RESTful API routes to perform CRUD commands from a MySql database while implementing Sequelize for promise-based object relational mapping and improved database synchronization

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

A full stack blog application that allows users to create posts, comment on other's posts, and view and edit all personally authored posts from their dashboard.

Core Technologies:

- Wrote all application logic in JavaScript, utilized Handlebars templating engine for creating dynamic HTML layouts and views, and implemented custom CSS styling to create a customized and responsive design
- Wrote RESTful API routes to perform CRUD commands from a MySql database while implementing Sequelize for promise-based object relational mapping and improved database synchronization

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 program learning objectives

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
- Designed and implemented software systems using MySql, Metabase & AWS for daily tracking of key performance indicators, increasing efficiency and expanding visibility for stakeholders
- Collaborated with clients and partners to design and implement custom-tailored business solutions that made an immediate impact in efficiency and profitability
- 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
- Collaborated in numerous hospitality 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

EDUCATION & CERTIFICATIONS

PCEP – Certified Entry-Level Python Programmer   Mar 2022 - Jun 2022
OpenEDG – Python Institute

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