

Michael Norton

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[Portfolio](#) | [LinkedIn](#) | [Github](#)

SKILLS: JavaScript, React / Redux, Python, Node, Express.js, Sass, CSS3, jQuery, HTML5, Ruby / Rails, Webpack, Postgres, SQL, MongoDB, AWS S3, Git, Jest, Mocha, RSpec, Heroku, REST APIs, Data Structures, Algorithms, Object-Oriented Programming (OOP), Test Driven Development (TDD)

EXPERIENCE:

Technical Career Coach / Software Engineer

App Academy

2020 - Sept 2021

- Technical mentor and coach to students and alumni devoted to polishing technical and interview skills, computer science principles, emphasizing Agile development and building to technical specifications. Refine career goals and job search strategies, and provide mentorship in emerging technologies.
- Testing and mentoring a caseload of 50 (on average) software engineers in programming and technical knowledge, algorithms, industry best practices, software development and implementation within a fast-paced, flexible environment. Assist job seekers in debugging, application deployment, performant refactoring, system design, architecture and troubleshooting.

Manager / Head Bartender / Assistant Store Manager

BLVD Wine Bar, Left Coast Wine Bar, Din Tai Fung, Blue Streak Wine & Spirits

2012 - 2020

PROJECTS:

FLASH FORWARD

[Live](#) | [Github](#)

React.js / Redux, Ruby on Rails, Sass, PostgreSQL, AWS, Webpack

Mountain Project -inspired rock climbing application to share routes and other climbing related media.

- Designed and constructed CRUD functionality through OOP principles, Rail's MVC framework, and a REST API for climbing routes, areas, comments, photos, and users.
- Integrated Amazon Web Services S3 for media storage and organization while maintaining content security with AWS IAM to facilitate user photo sharing, reduce load times, and improve scalability.
- Served queries via Rails ActiveRecord to allow users to search routes matching climbing parameters.

DUNGEON COMPANION

[Live](#) | [Github](#)

MongoDB, Express, Reactjs, Node.js, HTML, CSS, Git, D&D 5e API

Group project dedicated to building a tabletop gaming toolkit within the DnD 5E rules.

- Collaborated with three other engineers using Git as source control, which facilitated teamwork via branch workflow, merging, and code reviews. Acted as Lead Frontend Engineer.
- Leveraged Axios requests to fetch data from integrated D&D 5e API to allow users to select existing monsters and auto-populate statistics for use in live battle scenarios.
- Spearheaded user authentication through encrypting user details via JSON Web Token sent over HTTPS requests and Express routing, which were decrypted via the JWT-Decode library on the frontend.

CARD AUGURY

[Live](#) | [Github](#)

Vanilla JavaScript, Sass, Highcharts, Scryfall API

Card Augury is a single page application dedicated to providing users with data on Magic the Gathering cards.

- Implemented ES6 async/await promises for fetch calls to request data from Scryfall API and format the response into JSON, which allowed for easy data manipulation and representation.
- Employed a custom parsing algorithm to prepare card and set statistics for data visualization.
- Leveraged Highcharts to create charts with a strong UX emphasis to display the aforementioned data.

EDUCATION:

App Academy	Full stack web development and software engineering fundamentals		2020
Marshall University	Bachelor of Fine Arts: Theatre / Graduated Magna Cum Laude		2012 - 2014