

# Merriam Massey

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

## SUMMARY

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- Eager full stack engineer and lifelong learner with hands-on experience designing, developing, testing, and deploying applications in an Agile environment.
- Versatile, resourceful leader with broad technical skills ready to take on new challenges and make a positive impact by fostering a culture of innovation and mentorship.
- Skilled at communicating with stakeholders and collaborating to solve complex problems.
- Determined to become an asset to a collaborative, highly successful team and to become the best full stack engineer I can be.

## TECHNICAL SKILLS

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**Front End:** JavaScript ES6+, React, Bootstrap, CSS3, HTML5, Foundation, jQuery, Material UI, Handlebars | **Backend:** Node.js, REST APIs, AJAX, SQL, NoSQL, AWS S3, Sequelize, Express.js, MongoDB, GraphQL | **Other:** Heroku, Object Oriented Programming, Python, Git, Machine Learning, Responsive web design, Test-Driven Development, Jest, OAuth, JSON, XML, bcrypt, Stripe

## RECENT PROJECTS

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[TasteBuds](#) | [Github](#) | **Role:** Co-author

- **Tools:** React, Heroku, MongoDB, Express.js, Node.js, Apollo GraphQL, Yelp Fusion API, Bootstrap, Axios, JWT, JavaScript, OAuth 2.0
- Through consistent development practices led an agile team to design, build, and deploy a full stack web application that leverages the Yelp Fusion API to enable users to poll friends or coworkers in order to decide where to eat.
- **Role:** Integrated the third party API and OAuth, designed GraphQL queries and mutations, set up MongoDB database, designed and developed front end, deployed with MongoDB Atlas and Heroku.

[Book Search Engine](#) | [Github](#) | **Role:** Co-author

- **Tools:** React, GraphQL, Apollo, MongoDB, Node.js.
- Refactor of a functioning Google Books API search engine built with a RESTful API to use GraphQL and Apollo.
- **Role:** Set up an Apollo Server to use GraphQL queries and mutations to fetch and modify data, replacing the existing RESTful API. Modified authentication middleware to work in the context of GraphQL. Used Apollo Client to create an Apollo Provider so requests can communicate with the Apollo Server. Deployed the application to Heroku using a MongoDB database hosted by MongoDB Atlas.

**[eCommerce Backend](#) | [Github](#) | Role:** Co-author

- **Tools:** Express.js, MySQL2, Sequelize, Insomnia Core
- An eCommerce site back end configured to use Sequelize to interact with a SQL database.
- **Role:** Connected Express.js API to MySQL database, configured environment variables, created database schema using MySQL shell commands, designed models and routes to perform RESTful CRUD operations, seeded the database.

**[Team Profile Generator](#) | [Github](#) | Role:** Author

- **Tools:** JavaScript, Node.js, NPM Inquirer, Jest
- A Node.js command-line application that demonstrates modularization and inheritance per Object Oriented Programming paradigm and follows test-driven development principles. The app collects user input and generates an HTML webpage summarizing team member information entered.

**[Data Science Distributions](#) | [Github](#) | Role:** Co-author, distributor

- **Tools:** Python, venv, matplotlib
- A Python package for working with Binomial & Gaussian distributions.
- Documented, packaged, and distributed this project on PyPi as a final project in the AWS Machine Learning Foundations Course.

## EXPERIENCE

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**Grader, Full Stack Web Development Program | Trilogy Education | August 2021–present**

- Assess full stack projects based on technical acceptance criteria and best practices for coding, version control, deployment, and testing.
- Assist with debugging by cloning and testing repositories and providing detailed feedback.
- Projects include concepts and technologies such as:
  - Object-Oriented Programming
  - Test Driven Development
  - Relational and non-relational databases
  - Model View Controller
  - React: stateless components, conditional rendering, hooks
  - Restful APIs, Apollo GraphQL, Insomnia Core, Postman
  - Authentication
  - Deployment
  - Progressive Web App technology

**State Director, Title 1, Part C | Department of Education, Phoenix, AZ | May 2019–June 2021**

- Owned and managed several internal and external tools leveraging a variety of technologies
- Led the development of a database for mobile and web apps by communicating with users, technical teams, and management to collect requirements, describe features, and guide the design and distribution strategy
- Hired, mentored, and guided junior team members to achieve operational excellence
- Served as state database administrator for Migrant Student Information Exchange (MSIX)

- Optimized operations and drove business results through intuitive change management, use of data, and collaboration with stakeholders across organizations and timezones
- Ensured a high standard of quality for all team deliverables and compliance with state and federal regulations by developing and delivering training on quality control procedures

## **EDUCATION**

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**Full Stack Web Development**, Certificate, University of Arizona | July 2021

**Master of Arts**, Teaching English as a Second Language, Webster University | GPA 3.97