

# Michael J. Realy

Portfolio | [mjrealy.herokuapp.com](https://mjrealy.herokuapp.com)  
GitHub | <https://github.com/mrealy>  
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## Technical Skills

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Strong: JavaScript/jQuery, HTML, CSS, Bootstrap, Node, Express, React, React Router, Webpack, Git  
Experienced: MongoDB/Mongoose, MySQL, Handlebars, Heroku, Firebase, REST API, Agile

## Projects

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**ShuttleExtravaganza!** [ [GitHub](#) | [Live](#) ] **Full Stack Developer**

*Find and archive events to connect interested users for carpooling, pre-gaming, etc.*

- Conceived app, planned app dataflow, and pair programmed mongoose models and express routes.
- Coded React components/functions and integrated with Seatgeek and Google Maps API data.
- Full technologies used: MERN, CSS/Bootstrap, Google Auth API, Seatgeek API, Google Maps API

**Tell Me, Who ARE You?** [ [GitHub](#) | [Live](#) ] **Full Stack Developer**

*Customizable party game with safe and risqué questions to get to know one another. (CRUD)*

- Coded Handlebars templates and pair programmed Sequelize models and express routes.
- Full technologies used: Node, Express, Handlebars, CSS/Bootstrap, Sequelize, Passport.js

**Tender** [ [GitHub](#) | [Live](#) ] **Front End Developer / Project Lead**

*Browse the Spoonacular API to find recipes with this app parodying Tinder.*

- Conceived app idea, planned user flow and wireframes, and acted as team lead.
- Used JavaScript to parse Spoonacular API data and rendered to the DOM with jQuery.
- Full technologies used: HTML, CSS, JavaScript, jQuery, Spoonacular API, Firebase

**NYT React** [ [GitHub](#) | [Live](#) ] **Sole Developer**

*Use New York Times API to search for news articles by topic/dates and view/save articles for later viewing.*

- Used React and Bootstrap for front end components, React Router 4 and Express for API routing, Mongoose for database models, and axios npm package for GET requests from the New York Times API.

**Good News Scraper** [ [GitHub](#) | [Live](#) ] **Sole Developer**

*View articles scraped from the Good News Network using cheerio and save articles to have discussions.*

- Scraped data into Mongoose database models with cheerio on Node/Express back end, used handlebars templates and Bootstrap on front end supplemented by jQuery and AJAX requests for adding comments.

**BurgerTime** [ [GitHub](#) ] **Sole Developer**

*MCV designed web app that logs burgers by name into a SQL database using a custom ORM with a button to indicate whether they've been eaten.*

- Built custom ORM with MySQL/Node back end, used handlebars and Bootstrap for the front end.

## Experience

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### **Northwestern University** – *Financial Assistant, Alumni Relations*

2016 - present

- Created/updated onboarding materials, job aids & business resources for retention of current policies and operational maturity. Included text guides, flow charts, and workflow diagrams.
- Trained new hires on policy, procedure, financial management and timekeeping systems.
- Overhauled UI/UX for Microsoft SharePoint repository for all Finance onboarding/business documents by replacing a single page of 40+ hyperlinks with 9 category “tiles” (modeling other business system designs) that route to a separate page of category links, organized by workflow, with short descriptions outlining the purpose/content of each link.
- Used Peoplesoft & BI systems to compile/analyze travel data, built excel travel calculators to support zero-based budget planning, and updated compliant travel spending limits for regional trends & inflation.
- Managed vendor contract workflow and correspondence, advised collaborators of liability requirements and necessary documentation, reviewed and routed to appropriate signatories.
- Approved high volume of financial transactions, provided timely budget reporting (including executive-level reports exceeding \$1 million) and financial support for over 30 budgets.
- Took online Project Management and Agile Project Management courses as part of professional development goal covering iterative project management, elicitation tactics, and documentation (use cases, user stories, diagrams, etc.).
- Managed responsibilities and maintained workflow for two positions under no supervision for 6 months.

### **The Malnati Organization** – *Waitstaff/ Trainer*

2013 – 2016

- Updated antiquated training materials and developed benchmarking requirements for trainers/trainees.
- Set up new server station and designed layout for efficient workflow after restaurant renovations.
- Developed and demonstrated adept interpersonal skills with diverse variety of staff and clients, as proven by returning customers, yelp reviews, and a tip average above that of peers.

## Education

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### **Northwestern University Coding Bootcamp** | **Full Stack Web Development**, Jan-July 2017

*A six-month intensive certificate program focusing on: HTML5, CSS3, Bootstrap, JavaScript, jQuery, Node, Express, REST APIs, MySQL, MongoDB, Handlebars, React, React Router, Webpack, Heroku, and Git.*

### **Columbia College Chicago** | **B.A. Music Composition**, Dec 2013 | 3.9/4.0 GPA