



MELANIE L. FRYMAN

Developer + Data Analyst

+ EXPERIENCE

DATA ANALYST / DEVELOPER

PatientFocus / Feb 2015 - Oct 2015

A patient-pay and customer service solution for healthcare providers. Performed complex analyses in an evolving data environment. Worked closely with client services and sales teams to identify business information needs and provide ongoing reports. Documented and improved existing data ingestion and cleaning processes. Developed account management tools in the internal administrative application that enabled staff to work independently of the IT team. Participated in preliminary redesign of existing web applications (client, patient, and administrative portals) and environment infrastructure.

APPRENTICE

Nashville Software School / July 2014 - Jan 2015

An intensive, full-time six month bootcamp for software engineering and web development. Developed full-stack web and hybrid-mobile applications in a rigorous and fast-paced environment. Designed and implemented multiple solo and group projects. Collaborated with peers utilizing technologies such as git, pair programming, and test-driven development.

EVALUATION SPECIALIST

Edvantia & McREL International / Aug 2011 - June 2014

Conducted external research and evaluation activities for multiple education projects including initiatives funded by the U.S. Department of Education and U.S. Department of Labor. Specialized in survey design, administration, and data analysis. Designed data collection instruments; collected, prepared, and analyzed quantitative data, including social network data; and developed reports and presentations of evaluation findings.

+ EDUCATION

GRADUATE IN SOCIOLOGY, M.A.

Middle Tennessee State University / May 2011

Summa cum laude

Thesis: *Massively Multiplayer Online Role-Playing Game (MMORPG) Player Identity: An Application of Identity Control Theory*

UNDERGRADUATE IN SOCIOLOGY, B.S.

Tennessee State University / May 2009

Summa cum laude

+ CONTACT ME



415 Church Street #1404
Nashville, TN 37219



(615) 973 8933



melanie.fryman.io



melanie@fryman.io

+ SKILLS

DATA

Data Collection

Data Analysis

Data Visualization

Statistics

Reporting

Research

Evaluation

Survey Design & Methodology

WEB DEVELOPMENT

Application Development

User Interface

User Experience

Testing

Documentation

OTHER

Cultural Context

Critical Thinking

Project Management

Verbal & Written Communication



[Twitter.com/mlfryman](https://twitter.com/mlfryman)



[Github.com/mlfryman](https://github.com/mlfryman)



[LinkedIn.com/in/mlfryman](https://www.linkedin.com/in/mlfryman)



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+ PROJECTS

Brownie Points

Capstone for NSS

UI/UX, Frontend, and Backend

For the final capstone project at NSS, I used the NASH (Node.js, AngularJS, SQL, Hapi) Stack to create a social web application for friends to award, track, and exchange brownie points.

Nashville Investor

Mid-term Group Capstone for NSS

Project Manager, UI/UX, and Frontend

Leveraging publically available data APIs on the Nashville real estate market, we created a MEAN Stack web app that provides users with much-needed information on potential real estate investments.

+ AWARDS

Appr

HackTennessee 7 - Second Place

Group Project

Appr is a game that parodies life at a technology startup. As the first technical hire at a budding startup, you must battle legacy code, raise funds, fix computers, and squash bugs, before your funding runs out. Appr was built using Phaser, a HTML5 game framework, and features original artwork. Play at <http://melanie.fryman.io/appr-ht7>.

NashVestTN

HackNashville 6 - Finalist

Group Project: Backend & Community Engagement

Utilizing the MEAN Stack, Ionic, and Cordova, we created Mobile and Desktop apps that help non-profit organizations increase their community impact by engaging the Millennial Generation. See more at <http://nashvestn.herokuapp.com>.

American Education Research Association 2014 Division H Award

Making Time for What Matters Most i3 Development Project: Year 3
Evaluation Report

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+ TECHNOLOGIES

Javascript

Node.JS

AngularJS

R

HTML5/Jade

Java

CSS/CSS3

PHP

SASS/LESS

Express/Hapi

jQuery

Socket.IO

Bootstrap

Mocha/Chai

Foundation

Karma/Jasmine

Cordova/Ionic

Protractor

Git

PostgreSQL

Grunt/Gulp

MS SQL

Travis CI

MongoDB/Mongoose

Coveralls

SPSS

AWS

UCINet/NetDraw

Heroku

Remark Office OMR

Bower

Qualtrics



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