James Haley

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Education and Training

Middle Tennessee State University BS in Recording Industry Engineering, 2003

Independent computer programming study, *Spring 2014-Present*
From massive online courses (MOOC) platforms, learned computer science and frontend development: Coursera, Udacity, MIT OpenCourseWare, Codecademy, Tree House, Code School, Egghead.io, Safari Books Online

"Presenting Data and Information" one-day course taught by Edward Tufte (Boston, MA., Spring 2014)

Programming Languages and Tools:

Javascript, Python, R, HTML5, CSS, SVG, Canvas, D3, RxJS, React, jquery, Node, Gulp, Browserify, ggplot, dplyr, git, Adobe Products

Examples: jamesrhaley.github.io/GWAS/ - jamesrhaley.github.io/College-to-Career/

Experience

Regions Bank, *2006-2013, Nashville, TN.*
- Turned customers' needs into products they used and supported their financial goals
- Performed in the top 10% of sales in region

Independent consulting, *Spring 2013 - Present, Providence, RI.*

Date visualization
- Building tools to incorporate RX programming into data visualizations with the goal of separating model and view to move toward shift from d3 to WebGL and focusing on handling concurrent async events
- Writing algorithms to allow visual mapping of different types of graphs via an undirected graph
- Created graphs in R (ggplot) and JavaScript (d3.js) for research projects (Client: Annenberg Institute for School Reform at Brown University (AISR), Fall 2015)
- Created Sankey diagram to visualize Rhode Island state budget (Client: State of Rhode Island, via Code Island, a branch of Code for America, Spring 2015)

Design
- Frontend development for Mayday.us (Client: MAYDAY.US, Spring 2015)
- Created data briefs presenting evaluation data in a clear and accessible way to a community audience (Client: AISR, Summer 2014)
- Conceptualized and designed graphics for peer-reviewed journal articles, research papers, and grant proposals (Client: AISR, Fall 2013-Present)

Data science
- Developed code in Python to clean, correct, and merge research data (Client: AISR, Fall 2015)

About me

I am passionate about music. I wrote, recorded, mixed, and mastered my own 13-track album, "Renting American Dreams." I also enjoy photography, creating videos, and being outdoors.