

# SPENCER RANNEY

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*Creative problem solver with a passion for programming. Lover of building abstract ideas into functioning full stack applications. Lived and breathed data analysis, finance and mathematics for the last 12 years. Trained in diverse work environments with tight deadlines. A quick and eager study of new technologies.*

## EDUCATION

<b>Southern Methodist University</b>	SMU Coding Boot Camp	January 2018
<b>The University of Texas at Austin</b>	Master of Science in Finance GMAT: 760 (99%); Q: 51 (98%); Overall GPA: 3.82	May 2014
<b>The University of Texas at Austin</b>	Bachelor of Science in Mathematics: Actuarial Science Graduated Cum Laude - Overall GPA: 3.79	May 2010

## HIGHLIGHTED APPLICATIONS

<b>Music Talks</b> – Full Stack Developer; Dallas, TX	February 2018
<ul style="list-style-type: none"><li>A social networking and music discovery site for music lovers</li><li><b>Tech:</b> CSS3, Node.js, Express, MongoDB, Handlebars.js, Socket.io, YouTube API, Spotify, Wikipedia, Moment</li><li>Site: <a href="http://musictalksapp.herokuapp.com">musictalksapp.herokuapp.com</a>; Repo: <a href="http://github.com/sranney/musicTalks_app">github.com/sranney/musicTalks_app</a></li></ul>	
<b>Check Your Checkers</b> – Full Stack Developer; Dallas, TX	December 2017 – January 2018
<ul style="list-style-type: none"><li>A social checkers game site that provides real-time game play and private chat functionality</li><li><b>Tech:</b> Materialize, React, React-Router, Node.js, Express, Proxy Server, Socket.io, MongoDB, Firebase, SendGrid, Google Charts</li><li>Site: <a href="http://checkyourcheckers.herokuapp.com">checkyourcheckers.herokuapp.com</a>; Repo: <a href="http://github.com/sranney/checkers">github.com/sranney/checkers</a></li></ul>	
<b>Emotional Explorers Web App</b> – Full Stack Developer; Dallas, TX	November 2017
<ul style="list-style-type: none"><li>Site that promotes emotional development of autistic children and facilitate counselors in assessing strengths and weaknesses</li><li><b>Tech:</b> Bootstrap, Node.js, Express, MySQL, Sequelize, Handlebars.js, AWS, Passport.js, Nightmare.js</li><li>Site: <a href="http://emotionalexplorers.herokuapp.com">emotionalexplorers.herokuapp.com</a>; Repo: <a href="http://github.com/sranney/emotional_explorers">github.com/sranney/emotional_explorers</a></li></ul>	
<b>Help Now Web App</b> – Full Stack Developer; Dallas, TX	September 2017
<ul style="list-style-type: none"><li>Connects helpers with those who need assistance (inspired by Hurricane Harvey rescue efforts).</li><li><b>Tech:</b> Bootstrap, Firebase Database and Auth, HTML5 Geolocation API, Google Maps APIs, Moments.js and Awesomplete</li><li>Site: <a href="http://sranney.github.io/HelpNow">sranney.github.io/HelpNow</a>; Repo: <a href="http://github.com/sranney/HelpNow">github.com/sranney/HelpNow</a></li></ul>	

## RELEVANT EXPERIENCE

<b>Web Development Boot Camp Teaching Assistant and Tutor</b> – SMU, Trilogy Education Services; Dallas, TX	January 2018 – Present
<ul style="list-style-type: none"><li>Supporting an intensive certificate program involving 250+ hours of in-class teaching through an extensive curriculum including HTML5, CSS3, JavaScript, jQuery, Node.js, Express.js, APIS's, AJAX, Firebase, Heroku, Git, MySQL, MongoDB, and React.</li></ul>	
<b>Berkeley Research Group</b> – Senior Associate; Dallas, TX	January 2015 – September 2017
<ul style="list-style-type: none"><li><b>Strength in Research and Tackling Diverse Problems:</b> Assisted expert analysis for business litigation in a multitude of industries</li><li><b>Lead Data Analyst:</b> Performed most of the computational analysis of large datasets in Dallas office</li><li><b>Extensive Experience in Healthcare Analytics:</b> Worked extensively with the Healthcare Performance Improvement (HPI) department developing analytics for clients utilizing Excel, SQL and Tableau. I was the main HPI Revenue Cycle SQL developer prior to the Dallas office needing to employ my technical expertise to lawsuits.</li><li><b>Development:</b> Developed internal computational and analytical tools for the Dallas office including SEC EDGAR database web scraping and text analytics tools</li></ul>	

## QUANTITATIVE VOLUNTEER, PROFESSIONAL AND ACADEMIC EXPERIENCES

<b>Web Dev Tutor</b> – Dallas, TX	October 2017 - Present
<b>Local Voice Solutions</b> – Volunteer – Austin, TX	October 2014 - December 2014
<ul style="list-style-type: none"><li><b>Exploratory Data Analysis:</b> Analyzed voting behavior broken down by demographics to understand how people vote in Texas</li></ul>	
<b>Castle Hill Advisors</b> – Austin, TX	Summer 2014
<ul style="list-style-type: none"><li><b>Research and Development:</b> Built scripts in R and Excel and read financial research papers to discuss portfolio analytics for clients</li></ul>	
<b>Probability and Statistics Tutor</b> – Austin, TX	July 2012 to August 2013

## SELECTED HONORS

<b>MSF Graduation Award:</b> <i>Recognized for my contribution to the learning environment</i>	May 2014
<b>Williams Scholar:</b> <i>Recognized as the most outstanding graduating student in the Actuarial Studies program</i>	April 2010

## ADDITIONAL INFORMATION

**Additional Computer Skills:** R, VBA, Tableau, SSMS, regular expressions, webscraping, real-time communications technology