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

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

HIGHLIGHTED APPLICATIONS

Check Your Checkers – Full Stack Developer; Dallas, TX   December 2017 – January 2018
• A social checkers game site that provides real-time game play and private chat functionality
• Skills used: Materialize, React.js, React-Router, Node.js, Express, Proxy Server, Socket.io, MongoDB, Firebase Auth, SendGrid, Google Charts
• Site: checkyourcheckers.herokuapp.com; Repo: github.com/sranney/checkers

Emotional Explorers Web App – Full Stack Developer; Dallas, TX   November 2017
• Quiz module site to promote the emotional development of autistic children and facilitate counselors in understanding students' strengths and weaknesses
• Skills used: Bootstrap, Node.js, Express, MySQL, Sequelize, Handlebars.js, AWS, Passport.js, Nightmare.js
• Site: emotionalexplorers.herokuapp.com; Repo: github.com/chairmanmeow13/Project-2-Group-6

Help Now Web App – Full Stack Developer; Dallas, TX   September 2017
• Connects helpers with those who need assistance (inspired by Hurricane Harvey rescue efforts).
• Skills used: Bootstrap, Firebase Database and Auth, HTML5 Geolocation API, Google Maps APIs, Moments.js and Awesomplete
• Site: sranney.github.io/HelpNow; Repo: github.com/sranney/HelpNow

RELEVANT EXPERIENCE

Web Development Coding Boot Camp Teaching Assistant – Southern Methodist University; Dallas, TX   January 2018 – Present
• Supporting an intensive certificate program of 50+ students 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.

Berkeley Research Group – Senior Associate; Dallas, TX   January 2015 – September 2017
• Strength in Research and Tackling Diverse Problems: Assisted expert analysis for business litigation in a multitude of industries
• Lead Data Analyst: Performed most of the computational analysis of large datasets in Dallas office
• Extensive Experience in Healthcare Analytics: 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.
• Development: Developed internal computational and analytical tools for the Dallas office including SEC EDGAR database web scraping and text analytics tools

QUANTITATIVE VOLUNTEER, PROFESSIONAL AND ACADEMIC EXPERIENCES

Web Dev Tutor – Dallas, TX   October 2017 - Present
Local Voice Solutions – Volunteer – Austin, TX   October 2014 - December 2014
• Exploratory Data Analysis: Analyzed voting behavior broken down by demographics to understand how people vote in Texas
Castle Hill Advisors – Austin, TX   Summer 2014
• Research and Development: Built scripts in R and Excel and read financial research papers to discuss portfolio analytics for clients
Probability and Statistics Tutor – Austin, TX   July 2012 to August 2013

SELECTED HONORS

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

ADDITIONAL INFORMATION

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