Danli Luo

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SUMMARY

Objective: Seeking a Software Engineer position
Skills: A wide range of project experience; Strong programming and analytic skills; Full Stack and Mobile Development; Sharp business acumen
Languages: Java, Python, SQL, R, HTML, CSS, JavaScript
Tools: Apache Tomcat, SQL Server, Android Studio, RStudio, IPython, AWS, Git/Github

EXPERIENCE

Deloitte | Jul 2015 - Sep 2017 | San Jose, CA
Data Analytics Consultant

  Award
  - Received Deloitte's Applause Award twice for outstanding achievement

  Text Mining project
  - Assisted sale partners to establish the "Science of Winning" program for winning over more project
  - Preprocessed text by tokenizing, stemming and stop-words removing, and extracted features by term frequency-inverse document frequency (TF-IDF) approach using Python (package 'scikit-learn')
  - Trained Unsupervised machine learning models (Latent Dirichlet Allocation) to identify latent topics and keywords of each document for clustering and calculating document similarity
  - Visualized top frequency words with Word Cloud by R (package 'wordcloud2'), compared the chart between Winning and Losing group to find the Winning Words pattern

  Cyber Security Risk Assessments project
  - Built and populated SQL Server Database tables based on the unstructured log data (IIS, EVTX, JSON)
  - Creatively selected best methods among import wizard, SSIS package and bulk inserts to process large amount of data
  - Developed python scripts to pre-process data for loading, check data count and automatically update tracker
  - Analyzed search results to find pattern for investigation using SQL queries through database

  Anti-Money Laundering (AML) project
  - Optimized the SQL codes to reduce processing time by 50% and finalized the script to automate the analysis procedure
  - Replicated the Mantas scenarios and analyzed the differences for corporate investigation and litigation support

PROJECTS

 github.com/DanliLuo
Web Development - Sweet Treasure-House
  - Developed a dynamic web page for users to search desired dessert place based on their favorite and visit history
  Front End:
  - Built the skeleton of the web with HTML and implemented CSS to better display and control the layout
  - Used JavaScript to build a fully functional web application that utilized Ajax to expose server-side functionality and data to the end user
  - Designed a responsive web page (library 'Bootstrap') to fit different screen dimensions across different devices and platforms for better user experience
  Back End:
  - Created Java servlets with RESTful APIs to handle HTTP requests and responses
  - Built relational and nonrelational databases (MySQL, MongoDB) to capture real restaurants data from Yelp API
  - Deployed server side to Amazon EC2 to handle 150 queries per second tested by Apache JMeter
Android App - Event Reporter
  - Developed an Event Reporter Application to share nearby events
  - Used Firebase service as backend to continually monitor user's activity and control the app usage
  - Added multi-user interaction feature, including view, comment and like a post, to improve the event reality
  - Designed the app for commercial usage by adding advertisement, fulfilled by connecting to Firebase Admob
IOS App - Tip Calculator
  - Designed and implemented a tip calculator iOS app based on Objective-C (Xcode)
  - Implemented UI and added UISegmentedControl for tip rate selection

EDUCATION

DePaul University | Mar 2014 - Jul 2015 | Chicago, IL
  - Master of Science in Predictive Analytics - Computational Methods Concentration
University of Northern Iowa | Aug 2009 - Dec 2011 | Cedar Falls, IA
  - Bachelor of Art in Accounting and Finance