Linli Ding

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Pursuing opportunities in business intelligence, data processing, feature engineering, and statistical modeling. Interested in helping companies lower cost, improve profitability, and optimize technical operations. Work knowledge in Excel, VBA, SQL, Python, and Tableau. Exposure to SPSS, RStudio, STATA, MongoDB, Sketch, HTML, CSS, JavaScript, PHP, SWIFT, and Git.

EXPERIENCE

The University of Texas at Austin — Austin, TX
Data Analyst Intern — Sep. 2016 – Present

- Created statistical models to predict the likelihood of a student's enrollment; Provided insights on the effects of monetary grants on matriculation decision. Increased model efficiency over 70%; Improved accuracy by 5%
- Analyzed web traffic records from Google Analytic to identify potential opportunities; Improved Search Engine Optimization (SEO) by inserting structured data using Django; Formatted citation data; Increased web traffic by 18%
- Analyzed quantitative and qualitative data from patron, library systems, and survey results to improve the efficiency of library services; Created ad hoc reports and built dashboards using Tableau

Pension Live — Dallas, TX
Analyst/Developer Intern — May 2017 — Dec. 2017

- Analyzed client's financial data with MS SQL Server; Created dashboards on pension web portal using VB.NET
- Designed and implemented account value calculation process for various types of pension plans
- Implemented account value projection, statement generation, and reporting procedures on Microsoft Visual Studio

Coaching Actuaries — Des Moines, IA
Actuarial Analyst — Mar. 2015 — Aug. 2016

- Consulted at Global Atlantic Financial Group, decreased turnaround of agent service requests from hours to minutes by automating process of gathering index fund data, linking data from Outlook and Access, calculating requested values, and generating ad hoc reports for life insurance services using Excel VBA
- Created Keynote videos and problem-solving techniques to help students pass actuarial exams; Provided forum support; Survey results show that 90% of the product subscribers who earned level 7 or above pass their exams

PROJECTS

Visual Question Answerability Classification — Spring 2018

- Applied Neural Networks to predict whether a visual question is answerable for a given image
- Analyzed over 20K images; Extracted image-based and question-based features using Microsoft Azure API, NLTK, and scikit-learn; Validation accuracy reaches 72%; Won the first place in the class of 20 based on the test accuracy

Database Management — Fall 2017

- Created a PHP website that interacts with database using SQL statements to present information of Olympic Games
- Designed an Entity Relationship Diagram (ERD) that models the entities and their relationships to each other

Metadata Extraction for Medical Record Images — Fall 2016

- Implemented a system that extracts, refines, and stores technical metadata using Python and MongoDB
- Designed a metadata schema for TIFF files, and stored refined metadata in JSON format

EDUCATION

The University of Texas at Austin — Austin, TX
Master of Science in Information Studies, GPA: 3.9/4.0 — May 2018

The Bernard M. Baruch College of the City University of New York — New York, NY
Bachelor of Arts in Actuarial Science, Minor: Economics, GPA: 3.8/4.0 — Dec. 2014
Actuarial Certificates: P, FM, MFE, C