**Zhaoying Meng | DATA SCIENCE CANDIDATE**

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**SUMMARY**

Collaborative & detail-oriented data scientist. Former math teacher with a BA in computer science.

**EDUCATION**

**FRANKLIN UNIVERSITY |** master’s in computer science | Columbus, OHIO | 12/2019 - 04/2022 (expected) | **GPA: 3.96**

***Selected Projects:***

* **Dolphin Longevity Prediction (SAS):** Modeled impact of social activity, IQ, & intimacy on dolphin life expectancy in SAS using scatter plots, linear, quadratic & cubic regression models, multilinear regression models, & final multivariate models; built & identified multivariate linear regression model that predicted life expectancy based on social activity with better R-squared and smaller variance than other models.
* **Loan Defaults Classification (Python):** Cleaned & analyzed 30K rows of credit data in Python to identify variables that correlated with loan defaults. Ran Logistic regression, KNN classifier, Decision Tree, Random Forest models and evaluated models for accuracy, precision, F1 & recall. (Used Pandas, Matplotlib, NumPy, and Seaborn)
* **STEM Salary Data Exploration (Tableau):** Created dashboards in Tableau to summarize 62K rows of STEM salary and demographic data. Used bar charts, histograms, pie charts, maps to find that years of experience, location, and company better predict salary than gender, race, or education level.

***Coursework incl.:*** Fundamentals of Database Systems, Object-Oriented Software Design, Applied Machine Learning

**COLUMBUS STATE COMMUNITY COLLEGE |** Courses in Economics| Columbus, OH | 06/2019 - 11/2019

**HOUSTON COMMUNITY COLLEGE |** Courses in Linear Algebra & Computer Science| Houston, TX | 12/2016 - 04/2019

**CAPITAL NORMAL UNIVERSITY |** B.A: Science & Tech of Artificial Intelligence| Beijing, China | 06/2007 - 04/2011

**PROFESSIONAL EXPERIENCES**

FRANKLIN UNIVERSITY

**Faculty Services Student Assistant (Data & Reporting)** | Houston, TX | 03/2021 - Present

* Wrote Python automation script to eliminate 30 hours of manual data gathering and automatically scrape and compile and build a weekly report summarizing professors’ weekly student engagement report across courses
* Monitor student engagement activity on a weekly basis and send recommendations to professors
* Prepared reports that were shared with global university partners
* Improved training for future colleagues by recording all steps for compiling reports & providing administrative support
* Check and maintain data accuracy in Interfolio database

FUCHENGMEN OUTER NO.1 ELEMENTARY SCHOOL

**Mathematics Teacher** | Beijing, China |07/2011- 05/2015

* Taught 2 classes (80 students total) per year
* Empowered 100% of students to pass the exam and 80% to receive an “Excellent” rating
* Self-recorded class to identify opportunities to improve; slowed speech and revamped course materials into games and around carnival and zoo themes to drive better student engagement

EGENSOURCE TECHNOLOGY CO., LTD

**Software Engineer Intern** | Beijing, China |07/2010- 0105/2011

* QA tested new features; wrote test cases and ran manual testing processes
* Logged and tracked bugs in Mantis Bug Tracker: diagnosed software issues, installed updates, and new software.
* Organized the departmental meeting schedule, preparations and recorded the meeting contents.

**DATA SCIENCE & COMPUTER SCIENCE SKILLS**

Data Analytics (Excel, SQL) | Data Visualization (SAS, Tableau, Excel) | Automation & Software Development: C++, Java (Java IDES, Visual Studio, Eclipse, NetBeans, IntelliJ IDEA, Extreme Programming) | Python (Pandas, NumPy, Matplotlib) | Data Manipulation, Data Visualization, Matrix Computing, Training Model